

ANALYTICAL DATA REPORT

JMC Environmental Consultants
2109 Bridge Avenue
Building B
Point Pleasant, NJ 08742

Project Name: **ARSYNCO**
IAL Case Number: **E13-00646**

These data have been reviewed and accepted by:



Michael H. Lefin, Ph.D.
Laboratory Director

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Sample Summary

IAL Case No.

E13-00646

Client JMC Environmental Consultants

Project ARSYNCO

Received On 1/22/2013@16:22

<u>Lab ID</u>	<u>Client Sample ID</u>	<u>Depth Top/Bottom</u>	<u>Sampling Time</u>	<u>Matrix</u>	<u># of Container</u>
00646-001	EE-42(0-1.0)	0/1.0	1/22/2013@09:55	Soil	1
00646-002	EE-42(1.0-2.0)	1.0/2.0	1/22/2013@09:56	Soil	1
00646-003	EE-42(2.0-3.0)	2.0/3.0	1/22/2013@09:57	Soil	1
00646-004	EE-42(3.0-4.0)	3.0/4.0	1/22/2013@09:58	Soil	1
00646-005	DD-41(R)(0-1.0)	0/1.0	1/22/2013@10:40	Soil	1
00646-006	DD-41(R)(1.0-2.0)	1.0/2.0	1/22/2013@10:41	Soil	1
00646-007	DD-41(R)(2.0-3.0)	2.0/3.0	1/22/2013@10:42	Soil	1
00646-008	DD-41(R)(3.0-4.0)	3.0/4.0	1/22/2013@10:43	Soil	1
00646-009	FF-39(0-1.0)	0/1.0	1/22/2013@11:30	Soil	1
00646-010	FF-39(1.0-2.0)	1.0/2.0	1/22/2013@11:31	Soil	1
00646-011	FF-39(2.0-3.0)	2.0/3.0	1/22/2013@11:32	Soil	1
00646-012	FF-39(3.0-4.0)	3.0/4.0	1/22/2013@11:33	Soil	1
00646-013	FF-38(0-1.0)	0/1.0	1/22/2013@12:15	Soil	1
00646-014	FF-38(1.0-2.0)	1.0/2.0	1/22/2013@12:16	Soil	1
00646-015	FF-38(2.0-3.0)	2.0/3.0	1/22/2013@12:17	Soil	1
00646-016	FF-38(3.0-4.0)	3.0/4.0	1/22/2013@12:18	Soil	1
00646-017	CC-42(R)(0-1.0)	0/1.0	1/22/2013@13:35	Soil	1
00646-018	CC-42(R)(1.0-2.0)	1.0/2.0	1/22/2013@13:36	Soil	1
00646-019	CC-42(R)(2.0-3.0)	2.0/3.0	1/22/2013@13:37	Soil	1
00646-020	CC-42(R)(3.0-4.0)	3.0/4.0	1/22/2013@13:38	Soil	1
00646-021	CC-41(R)(0-1.0)	0/1.0	1/22/2013@14:17	Soil	1
00646-022	CC-41(R)(1.0-2.0)	1.0/2.0	1/22/2013@14:18	Soil	1
00646-023	CC-41(R)(2.0-3.0)	2.0/3.0	1/22/2013@14:19	Soil	1
00646-024	CC-41(R)(3.0-4.0)	3.0/4.0	1/22/2013@14:20	Soil	1
00646-025	FB-59	n/a	1/21/2013@15:05	Aqueous	2

INTEGRATED ANALYTICAL LABORATORIES, LLC.

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This report was finalized on February 06, 2013

INTEGRATED ANALYTICAL LABORATORIES, LLC.

DEFINITIONS / QUALIFIERS

DATA QUALIFIERS

- B** Indicates the analyte was found in the associated method blank as well as in the sample. It indicates probable laboratory contamination.
- C** Indicates analyte is a common laboratory contaminant.
- D** Indicated analyte was reported from diluted analysis.
- E** Identifies a compound concentration that exceeds the upper level of the calibration range of the instrument for that specific analysis.
- J** Indicates an estimated value. This flag is used when the concentration in the sample is below the RL but above the MDL.

REPORTING DEFINITIONS

- RL** Reporting Limit. The RL is determined by the lowest concentration in the calibration curve. For most Wet Chemistry methods, the RL is defined by using the PQL.
- MDL** Method Detection Limit as determined according to 40CFR Part 136 Appendix B.
- PQL** Practical Quantitation Limit. Usually defined as a value 3-5 times the MDL.
- ND** Indicates analyte was analyzed for but not detected above the MDL.
- DF** Dilution Factor
- LCS** Laboratory Control Sample
- LCSD** Laboratory Control Sample Duplicate
- MS** Matrix Spike
- MSD** Matrix Spike Duplicate
- DUP** Duplicate

CONFORMANCE / NON-CONFORMANCE SUMMARIES

INTEGRATED ANALYTICAL LABORATORIES, LLC.

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received one (1) aqueous and twenty-four (24) soil sample(s) from JMC Environmental Consultants (IAL SDG # E13-00646, Project: ARSYNCO) on January 22, 2013 for the analysis of:

(25) TCL PCB

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:



Reviewed by

2/5/13

Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-00646

PCB By 8082

Batch ID: 130124-06

Matrix: Aqueous

- QC**
- Calibration Curve met QC criteria.
 - Surrogate Percent Recovery met QC criteria.
 - Method Blank met QC criteria.
 - LCS Percent Recovery met QC criteria.
 - MS/MSD Percent Recovery met QC criteria.
 - RPD between MS/MSD met QC criteria.
 - The following samples were cleaned up using method 3660B to remove sulfur: 025
 - The following samples were cleaned up using method 3665A: 025
- E13-00646**
- All samples were extracted within holding time.
 - All samples were analyzed within holding time.
 - Retention Time Shift met QC criteria.
 - No dilution performed for sample 00646-025.

J 1-29-13

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-00646

PCB By 8082

Batch ID: 130128-03

Matrix: Soil

- QC**
- Calibration Curve met QC criteria.
 - Surrogate Percent Recovery did not meet QC criteria. One of the surrogates (TCMX2) for sample 00646-005 did not pass QC criteria due to matrix interference.
 - Method Blank met QC criteria.
 - LCS Percent Recovery met QC criteria.
 - MS/MSD Percent Recovery met QC criteria.
 - RPD between MS/MSD met QC criteria.
 - The RPD between the primary and secondary column was >40% for the following samples: 001, 002, 005. Per SW-846 8000C, the lower of the two concentrations was reported.
 - The following samples were cleaned up using method 3660B to remove sulfur: 001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 011, 012, 013, 014, 015, 016
- E13-00646**
- All samples were extracted within holding time.
 - All samples were analyzed within holding time.
 - Retention Time Shift met QC criteria.
 - Sample 00646-005 was run with 10x dilution due to high concentration of the target compound. This one sample did not pass NJ SRS criteria. The rest of the sample job 00646, batch 130128-03 were run straight. Samples: 001, 002, 005, 006, 009, 010 did not pass NJ SRS criteria due to high moisture.

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-00646

PCB By 8082

Batch ID: 130129-05

Matrix: Soil

- QC**
- Calibration Curve met QC criteria.
 - Surrogate Percent Recovery did not meet QC criteria. Surrogates TCMX2 and DCB2 for samples -017, -021 failed QC criteria due to matrix interference.
 - Method Blank met QC criteria.
 - LCS Percent Recovery met QC criteria.
 - MS/MSD Percent Recovery met QC criteria.
 - RPD between MS/MSD met QC criteria.
 - The RPD between the primary and secondary column was >40% for the following samples: 018, 024. Per SW-846 8000C, the lower of the two concentrations was reported.
 - The following samples were cleaned up using method 3660B to remove sulfur: 017, 018, 019, 020, 021, 022, 023, 024
- E13-00646**
- All samples were extracted within holding time.
 - All samples were analyzed within holding time.
 - Retention Time Shift met QC criteria.
 - Sample 017 was run with 5x dilution, and sample 021 was run with 2x dil. due to high concentration of the target compound. The rest of the samples job 00646, batch 130129-05 were run straight. Samples 017, 018, 021, 022 did not pass NJ SRS criteria due to high moisture.

JB 1-31-13

RESULTS SUMMARY REPORT

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: JMC Environmental Consultants

Project: ARSYNCO

Lab Case No.: E13-00646

Lab ID:	00646-025	
Client ID:	FB-59	
Matrix:	Aqueous	
Sampled Date	1/21/13	
PARAMETER(Units)	Conc	Q MDL
PCB's (Units)	(mg/L-ppm)	
Aroclor-1016	ND	0.00002
Aroclor-1221	ND	0.00002
Aroclor-1232	ND	0.00002
Aroclor-1242	ND	0.00002
Aroclor-1248	ND	0.00002
Aroclor-1254	ND	0.00002
Aroclor-1260	ND	0.00002
Aroclor-1262	ND	0.00002
Aroclor-1268	ND	0.00002
PCBs	ND	0.00002

Lab ID:	00646-001		00646-002		00646-003		00646-004	
Client ID:	EE-42(0-1.0)		EE-42(1.0-2.0)		EE-42(2.0-3.0)		EE-42(3.0-4.0)	
Depth:	0/1.0		1.0/2.0		2.0/3.0		3.0/4.0	
Matrix:	Soil		Soil		Soil		Soil	
Sampled Date	1/22/13		1/22/13		1/22/13		1/22/13	
PARAMETER(Units)	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL
PCB's (Units)	(mg/Kg-ppm)		(mg/Kg-ppm)		(mg/Kg-ppm)		(mg/Kg-ppm)	
Aroclor-1016	ND	0.138	ND	0.110	ND	0.073	ND	0.019
Aroclor-1221	ND	0.138	ND	0.110	ND	0.073	ND	0.019
Aroclor-1232	ND	0.138	ND	0.110	ND	0.073	ND	0.019
Aroclor-1242	0.996	0.138	6.57	0.110	ND	0.073	ND	0.019
Aroclor-1248	ND	0.138	ND	0.110	20.5	0.073	ND	0.019
Aroclor-1254	ND	0.138	ND	0.110	ND	0.073	ND	0.019
Aroclor-1260	ND	0.138	ND	0.110	4.13	0.073	ND	0.019
Aroclor-1262	ND	0.138	ND	0.110	ND	0.073	ND	0.019
Aroclor-1268	ND	0.138	ND	0.110	ND	0.073	ND	0.019
PCBs	0.996	0.138	6.57	0.110	24.6	0.073	ND	0.019

ND = Analyzed for but Not Detected at the MDL

J = The concentration was detected at a value below the RL and above the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: JMC Environmental Consultants

Project: ARSYNCO

Lab Case No.: E13-00646

Lab ID:	00646-005			00646-006			00646-007			00646-008		
Client ID:	DD-41(R)(0-1.0)			DD-41(R)(1.0-2.0)			DD-41(R)(2.0-3.0)			DD-41(R)(3.0-4.0)		
Depth:	0/1.0			1.0/2.0			2.0/3.0			3.0/4.0		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	1/22/13			1/22/13			1/22/13			1/22/13		
PARAMETER(Units)	Conc	Q	MDL									
PCB's (Units)	<i>(mg/Kg-ppm)</i>			<i>(mg/Kg-ppm)</i>			<i>(mg/Kg-ppm)</i>			<i>(mg/Kg-ppm)</i>		
Aroclor-1016	ND		0.665	ND		0.133	ND		0.042	ND		0.018
Aroclor-1221	ND		0.665	ND		0.133	ND		0.042	ND		0.018
Aroclor-1232	ND		0.665	ND		0.133	ND		0.042	ND		0.018
Aroclor-1242	198		0.665	ND		0.133	ND		0.042	ND		0.018
Aroclor-1248	ND		0.665	ND		0.133	ND		0.042	ND		0.018
Aroclor-1254	ND		0.665	ND		0.133	ND		0.042	ND		0.018
Aroclor-1260	ND		0.665	ND		0.133	ND		0.042	ND		0.018
Aroclor-1262	ND		0.665	ND		0.133	ND		0.042	ND		0.018
Aroclor-1268	ND		0.665	ND		0.133	ND		0.042	ND		0.018
PCBs	198		0.665	ND		0.133	ND		0.042	ND		0.018
Lab ID:	00646-009			00646-010			00646-011			00646-012		
Client ID:	FF-39(0-1.0)			FF-39(1.0-2.0)			FF-39(2.0-3.0)			FF-39(3.0-4.0)		
Depth:	0/1.0			1.0/2.0			2.0/3.0			3.0/4.0		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	1/22/13			1/22/13			1/22/13			1/22/13		
PARAMETER(Units)	Conc	Q	MDL									
PCB's (Units)	<i>(mg/Kg-ppm)</i>			<i>(mg/Kg-ppm)</i>			<i>(mg/Kg-ppm)</i>			<i>(mg/Kg-ppm)</i>		
Aroclor-1016	ND		0.082	ND		0.101	ND		0.022	ND		0.019
Aroclor-1221	ND		0.082	ND		0.101	ND		0.022	ND		0.019
Aroclor-1232	ND		0.082	ND		0.101	ND		0.022	ND		0.019
Aroclor-1242	ND		0.082	ND		0.101	ND		0.022	ND		0.019
Aroclor-1248	10.7		0.082	ND		0.101	ND		0.022	ND		0.019
Aroclor-1254	ND		0.082	ND		0.101	ND		0.022	ND		0.019
Aroclor-1260	2.08		0.082	ND		0.101	ND		0.022	ND		0.019
Aroclor-1262	ND		0.082	ND		0.101	ND		0.022	ND		0.019
Aroclor-1268	ND		0.082	ND		0.101	ND		0.022	ND		0.019
PCBs	12.8		0.082	ND		0.101	ND		0.022	ND		0.019

ND = Analyzed for but Not Detected at the MDL

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INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: JMC Environmental Consultants

Project: ARSYNCO

Lab Case No.: E13-00646

Lab ID:	00646-013	00646-014	00646-015	00646-016				
Client ID:	FF-38(0-1.0)	FF-38(1.0-2.0)	FF-38(2.0-3.0)	FF-38(3.0-4.0)				
Depth:	0/1.0	1.0/2.0	2.0/3.0	3.0/4.0				
Matrix:	Soil	Soil	Soil	Soil				
Sampled Date	1/22/13	1/22/13	1/22/13	1/22/13				
PARAMETER(Units)	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL				
PCB's (Units)	(mg/Kg-ppm)		(mg/Kg-ppm)					
Aroclor-1016	ND	0.020	ND	0.029	ND	0.042	ND	0.020
Aroclor-1221	ND	0.020	ND	0.029	ND	0.042	ND	0.020
Aroclor-1232	ND	0.020	ND	0.029	ND	0.042	ND	0.020
Aroclor-1242	ND	0.020	ND	0.029	ND	0.042	ND	0.020
Aroclor-1248	1.21	0.020	6.88	0.029	2.88	0.042	ND	0.020
Aroclor-1254	ND	0.020	ND	0.029	ND	0.042	ND	0.020
Aroclor-1260	ND	0.020	ND	0.029	ND	0.042	ND	0.020
Aroclor-1262	ND	0.020	ND	0.029	ND	0.042	ND	0.020
Aroclor-1268	ND	0.020	ND	0.029	ND	0.042	ND	0.020
PCBs	1.21	0.020	6.88	0.029	2.88	0.042	ND	0.020

Lab ID:	00646-017	00646-018	00646-019	00646-020				
Client ID:	CC-42(R)(0-1.0)	CC-42(R)(1.0-2.0)	CC-42(R)(2.0-3.0)	CC-42(R)(3.0-4.0)				
Depth:	0/1.0	1.0/2.0	2.0/3.0	3.0/4.0				
Matrix:	Soil	Soil	Soil	Soil				
Sampled Date	1/22/13	1/22/13	1/22/13	1/22/13				
PARAMETER(Units)	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL				
PCB's (Units)	(mg/Kg-ppm)		(mg/Kg-ppm)					
Aroclor-1016	ND	0.407	ND	0.090	ND	0.078	ND	0.019
Aroclor-1221	ND	0.407	ND	0.090	ND	0.078	ND	0.019
Aroclor-1232	ND	0.407	ND	0.090	ND	0.078	ND	0.019
Aroclor-1242	ND	0.407	8.51	0.090	ND	0.078	ND	0.019
Aroclor-1248	59.7	0.407	ND	0.090	ND	0.078	ND	0.019
Aroclor-1254	ND	0.407	ND	0.090	ND	0.078	ND	0.019
Aroclor-1260	ND	0.407	ND	0.090	ND	0.078	ND	0.019
Aroclor-1262	ND	0.407	ND	0.090	ND	0.078	ND	0.019
Aroclor-1268	ND	0.407	ND	0.090	ND	0.078	ND	0.019
PCBs	59.7	0.407	8.51	0.090	ND	0.078	ND	0.019

ND = Analyzed for but Not Detected at the MDL

J = The concentration was detected at a value below the RL and above the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: JMC Environmental Consultants

Project: ARSYNCO

Lab Case No.: E13-00646

	00646-021		00646-022		00646-023		00646-024		
Lab ID:	00646-021		00646-022		00646-023		00646-024		
Client ID:	CC-41(R)(0-1.0)		CC-41(R)(1.0-2.0)		CC-41(R)(2.0-3.0)		CC-41(R)(3.0-4.0)		
Depth:	0/1.0		1.0/2.0		2.0/3.0		3.0/4.0		
Matrix:	Soil		Soil		Soil		Soil		
Sampled Date	1/22/13		1/22/13		1/22/13		1/22/13		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>		
Aroclor-1016	ND	0.164	ND	0.119	ND	0.041	ND	0.020	
Aroclor-1221	ND	0.164	ND	0.119	ND	0.041	ND	0.020	
Aroclor-1232	ND	0.164	ND	0.119	ND	0.041	ND	0.020	
Aroclor-1242	ND	0.164	ND	0.119	0.874	0.041	0.090	0.020	
Aroclor-1248	45.7	0.164	22.6	0.119	ND	0.041	ND	0.020	
Aroclor-1254	ND	0.164	ND	0.119	ND	0.041	ND	0.020	
Aroclor-1260	11.8	0.164	ND	0.119	ND	0.041	ND	0.020	
Aroclor-1262	ND	0.164	ND	0.119	ND	0.041	ND	0.020	
Aroclor-1268	ND	0.164	ND	0.119	ND	0.041	ND	0.020	
PCBs	57.5	0.164	22.6	0.119	0.874	0.041	0.090	0.020	

ND = Analyzed for but Not Detected at the MDL

ANALYTICAL RESULTS

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 00646-001
 Client ID: EE-42(0-1.
 Date Received: 01/22/2013
 Date Extracted: 01/28/2013
 Date Analyzed: 01/30/2013
 Data file: R7097.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5.14g
 Matrix-Units: Soil-mg/Kg (ppm)
 Dilution Factor: 1
 % Moisture: 88.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.344	0.138
Aroclor-1221	ND		0.344	0.138
Aroclor-1232	ND		0.344	0.138
Aroclor-1242	0.996		0.344	0.138
Aroclor-1248	ND		0.344	0.138
Aroclor-1254	ND		0.344	0.138
Aroclor-1260	ND		0.344	0.138
Aroclor-1262	ND		0.344	0.138
Aroclor-1268	ND		0.344	0.138
PCBs	0.996		0.344	0.138

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 00646-002
Client ID: EE-42(1.0-
Date Received: 01/22/2013
Date Extracted: 01/28/2013
Date Analyzed: 01/30/2013
Data file: R7098.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.49g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 86.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.276	0.110
Aroclor-1221	ND		0.276	0.110
Aroclor-1232	ND		0.276	0.110
Aroclor-1242	6.57		0.276	0.110
Aroclor-1248	ND		0.276	0.110
Aroclor-1254	ND		0.276	0.110
Aroclor-1260	ND		0.276	0.110
Aroclor-1262	ND		0.276	0.110
Aroclor-1268	ND		0.276	0.110
PCBs	6.57		0.276	0.110

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 00646-003
Client ID: EE-42(2.0-
Date Received: 01/22/2013
Date Extracted: 01/28/2013
Date Analyzed: 01/30/2013
Data file: R7099.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.89g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 81.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.182	0.073
Aroclor-1221	ND		0.182	0.073
Aroclor-1232	ND		0.182	0.073
Aroclor-1242	ND		0.182	0.073
Aroclor-1248	20.5		0.182	0.073
Aroclor-1254	ND		0.182	0.073
Aroclor-1260	4.13		0.182	0.073
Aroclor-1262	ND		0.182	0.073
Aroclor-1268	ND		0.182	0.073
PCBs	24.6		0.182	0.073

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 00646-004
Client ID: EE-42(3.0-
Date Received: 01/22/2013
Date Extracted: 01/28/2013
Date Analyzed: 01/30/2013
Data file: R7100.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.54g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 23.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.047	0.019
Aroclor-1221	ND		0.047	0.019
Aroclor-1232	ND		0.047	0.019
Aroclor-1242	ND		0.047	0.019
Aroclor-1248	ND		0.047	0.019
Aroclor-1254	ND		0.047	0.019
Aroclor-1260	ND		0.047	0.019
Aroclor-1262	ND		0.047	0.019
Aroclor-1268	ND		0.047	0.019
PCBs	ND		0.047	0.019

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 00646-005
Client ID: DD-41(R)0
Date Received: 01/22/2013
Date Extracted: 01/28/2013
Date Analyzed: 01/30/2013
Data file: R7122.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.52g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 78.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		1.66	0.665
Aroclor-1221	ND		1.66	0.665
Aroclor-1232	ND		1.66	0.665
Aroclor-1242	198		1.66	0.665
Aroclor-1248	ND		1.66	0.665
Aroclor-1254	ND		1.66	0.665
Aroclor-1260	ND		1.66	0.665
Aroclor-1262	ND		1.66	0.665
Aroclor-1268	ND		1.66	0.665
PCBs	198		1.66	0.665

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 00646-006
Client ID: DD-41(R)(1)
Date Received: 01/22/2013
Date Extracted: 01/28/2013
Date Analyzed: 01/30/2013
Data file: R7102.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.38g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 88.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.332	0.133
Aroclor-1221	ND		0.332	0.133
Aroclor-1232	ND		0.332	0.133
Aroclor-1242	ND		0.332	0.133
Aroclor-1248	ND		0.332	0.133
Aroclor-1254	ND		0.332	0.133
Aroclor-1260	ND		0.332	0.133
Aroclor-1262	ND		0.332	0.133
Aroclor-1268	ND		0.332	0.133
PCBs	ND		0.332	0.133

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 00646-007
Client ID: DD-41(R)(2)
Date Received: 01/22/2013
Date Extracted: 01/28/2013
Date Analyzed: 01/30/2013
Data file: R7103.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.69g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 66.6

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.105	0.042
Aroclor-1221	ND		0.105	0.042
Aroclor-1232	ND		0.105	0.042
Aroclor-1242	ND		0.105	0.042
Aroclor-1248	ND		0.105	0.042
Aroclor-1254	ND		0.105	0.042
Aroclor-1260	ND		0.105	0.042
Aroclor-1262	ND		0.105	0.042
Aroclor-1268	ND		0.105	0.042
PCBs	ND		0.105	0.042

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 00646-008
 Client ID: DD-41(R)(3)
 Date Received: 01/22/2013
 Date Extracted: 01/28/2013
 Date Analyzed: 01/30/2013
 Data file: R7104.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5.66g
 Matrix-Units: Soil-mg/Kg (ppm)
 Dilution Factor: 1
 % Moisture: 22.5

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.046	0.018
Aroclor-1221	ND		0.046	0.018
Aroclor-1232	ND		0.046	0.018
Aroclor-1242	ND		0.046	0.018
Aroclor-1248	ND		0.046	0.018
Aroclor-1254	ND		0.046	0.018
Aroclor-1260	ND		0.046	0.018
Aroclor-1262	ND		0.046	0.018
Aroclor-1268	ND		0.046	0.018
PCBs	ND		0.046	0.018

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 00646-009
Client ID: FF-39(0-1.
Date Received: 01/22/2013
Date Extracted: 01/28/2013
Date Analyzed: 01/30/2013
Data file: R7105.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.93g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 83.5

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.204	0.082
Aroclor-1221	ND		0.204	0.082
Aroclor-1232	ND		0.204	0.082
Aroclor-1242	ND		0.204	0.082
Aroclor-1248	10.7		0.204	0.082
Aroclor-1254	ND		0.204	0.082
Aroclor-1260	2.08		0.204	0.082
Aroclor-1262	ND		0.204	0.082
Aroclor-1268	ND		0.204	0.082
PCBs	12.8		0.204	0.082

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 00646-010
 Client ID: FF-39(1.0-
 Date Received: 01/22/2013
 Date Extracted: 01/28/2013
 Date Analyzed: 01/30/2013
 Data file: R7106.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5.69g
 Matrix-Units: Soil-mg/Kg (ppm)
 Dilution Factor: 1
 % Moisture: 86.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.253	0.101
Aroclor-1221	ND		0.253	0.101
Aroclor-1232	ND		0.253	0.101
Aroclor-1242	ND		0.253	0.101
Aroclor-1248	ND		0.253	0.101
Aroclor-1254	ND		0.253	0.101
Aroclor-1260	ND		0.253	0.101
Aroclor-1262	ND		0.253	0.101
Aroclor-1268	ND		0.253	0.101
PCBs	ND		0.253	0.101

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 00646-011
Client ID: FF-39(2.0-
Date Received: 01/22/2013
Date Extracted: 01/28/2013
Date Analyzed: 01/30/2013
Data file: R7107.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.18g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 29.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.055	0.022
Aroclor-1221	ND		0.055	0.022
Aroclor-1232	ND		0.055	0.022
Aroclor-1242	ND		0.055	0.022
Aroclor-1248	ND		0.055	0.022
Aroclor-1254	ND		0.055	0.022
Aroclor-1260	ND		0.055	0.022
Aroclor-1262	ND		0.055	0.022
Aroclor-1268	ND		0.055	0.022
PCBs	ND		0.055	0.022

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 00646-012
Client ID: FF-39(3.0-
Date Received: 01/22/2013
Date Extracted: 01/28/2013
Date Analyzed: 01/30/2013
Data file: R7108.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.46g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 23.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.048	0.019
Aroclor-1221	ND		0.048	0.019
Aroclor-1232	ND		0.048	0.019
Aroclor-1242	ND		0.048	0.019
Aroclor-1248	ND		0.048	0.019
Aroclor-1254	ND		0.048	0.019
Aroclor-1260	ND		0.048	0.019
Aroclor-1262	ND		0.048	0.019
Aroclor-1268	ND		0.048	0.019
PCBs	ND		0.048	0.019

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 00646-013
Client ID: FF-38(0-1.
Date Received: 01/22/2013
Date Extracted: 01/28/2013
Date Analyzed: 01/30/2013
Data file: R7109.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.67g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 28.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.049	0.020
Aroclor-1221	ND		0.049	0.020
Aroclor-1232	ND		0.049	0.020
Aroclor-1242	ND		0.049	0.020
Aroclor-1248	1.21		0.049	0.020
Aroclor-1254	ND		0.049	0.020
Aroclor-1260	ND		0.049	0.020
Aroclor-1262	ND		0.049	0.020
Aroclor-1268	ND		0.049	0.020
PCBs	1.21		0.049	0.020

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 00646-014
Client ID: FF-38(1.0-
Date Received: 01/22/2013
Date Extracted: 01/28/2013
Date Analyzed: 01/30/2013
Data file: R7110.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.69g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 52.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.073	0.029
Aroclor-1221	ND		0.073	0.029
Aroclor-1232	ND		0.073	0.029
Aroclor-1242	ND		0.073	0.029
Aroclor-1248	6.88		0.073	0.029
Aroclor-1254	ND		0.073	0.029
Aroclor-1260	ND		0.073	0.029
Aroclor-1262	ND		0.073	0.029
Aroclor-1268	ND		0.073	0.029
PCBs	6.88		0.073	0.029

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 00646-015
Client ID: FF-38(2.0-
Date Received: 01/22/2013
Date Extracted: 01/28/2013
Date Analyzed: 01/30/2013
Data file: R7111.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.05g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 62.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.105	0.042
Aroclor-1221	ND		0.105	0.042
Aroclor-1232	ND		0.105	0.042
Aroclor-1242	ND		0.105	0.042
Aroclor-1248	2.88		0.105	0.042
Aroclor-1254	ND		0.105	0.042
Aroclor-1260	ND		0.105	0.042
Aroclor-1262	ND		0.105	0.042
Aroclor-1268	ND		0.105	0.042
PCBs	2.88		0.105	0.042

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 00646-016
Client ID: FF-38(3.0-
Date Received: 01/22/2013
Date Extracted: 01/28/2013
Date Analyzed: 01/30/2013
Data file: R7112.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.28g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 22.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.049	0.020
Aroclor-1221	ND		0.049	0.020
Aroclor-1232	ND		0.049	0.020
Aroclor-1242	ND		0.049	0.020
Aroclor-1248	ND		0.049	0.020
Aroclor-1254	ND		0.049	0.020
Aroclor-1260	ND		0.049	0.020
Aroclor-1262	ND		0.049	0.020
Aroclor-1268	ND		0.049	0.020
PCBs	ND		0.049	0.020

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 00646-017
Client ID: CC-42(R)(0)
Date Received: 01/22/2013
Date Extracted: 01/29/2013
Date Analyzed: 01/30/2013
Data file: R7118.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.29g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 5
% Moisture: 81.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		1.02	0.407
Aroclor-1221	ND		1.02	0.407
Aroclor-1232	ND		1.02	0.407
Aroclor-1242	ND		1.02	0.407
Aroclor-1248	59.7		1.02	0.407
Aroclor-1254	ND		1.02	0.407
Aroclor-1260	ND		1.02	0.407
Aroclor-1262	ND		1.02	0.407
Aroclor-1268	ND		1.02	0.407
PCBs	59.7		1.02	0.407

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 00646-018
Client ID: CC-42(R)(1)
Date Received: 01/22/2013
Date Extracted: 01/29/2013
Date Analyzed: 01/29/2013
Data file: R7079.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.80g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 84.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.225	0.090
Aroclor-1221	ND		0.225	0.090
Aroclor-1232	ND		0.225	0.090
Aroclor-1242	8.51		0.225	0.090
Aroclor-1248	ND		0.225	0.090
Aroclor-1254	ND		0.225	0.090
Aroclor-1260	ND		0.225	0.090
Aroclor-1262	ND		0.225	0.090
Aroclor-1268	ND		0.225	0.090
PCBs	8.51		0.225	0.090

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 00646-019
Client ID: CC-42(R)(2)
Date Received: 01/22/2013
Date Extracted: 01/29/2013
Date Analyzed: 01/29/2013
Data file: R7080.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.36g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 80.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.194	0.078
Aroclor-1221	ND		0.194	0.078
Aroclor-1232	ND		0.194	0.078
Aroclor-1242	ND		0.194	0.078
Aroclor-1248	ND		0.194	0.078
Aroclor-1254	ND		0.194	0.078
Aroclor-1260	ND		0.194	0.078
Aroclor-1262	ND		0.194	0.078
Aroclor-1268	ND		0.194	0.078
PCBs	ND		0.194	0.078

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 00646-020
Client ID: CC-42(R)(3)
Date Received: 01/22/2013
Date Extracted: 01/29/2013
Date Analyzed: 01/29/2013
Data file: R7081.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.54g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 22.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.047	0.019
Aroclor-1221	ND		0.047	0.019
Aroclor-1232	ND		0.047	0.019
Aroclor-1242	ND		0.047	0.019
Aroclor-1248	ND		0.047	0.019
Aroclor-1254	ND		0.047	0.019
Aroclor-1260	ND		0.047	0.019
Aroclor-1262	ND		0.047	0.019
Aroclor-1268	ND		0.047	0.019
PCBs	ND		0.047	0.019

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 00646-021
 Client ID: CC-41(R)(0)
 Date Received: 01/22/2013
 Date Extracted: 01/29/2013
 Date Analyzed: 01/30/2013
 Data file: R7119.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5.88g
 Matrix-Units: Soil-mg/Kg (ppm)
 Dilution Factor: 2
 % Moisture: 83.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.410	0.164
Aroclor-1221	ND		0.410	0.164
Aroclor-1232	ND		0.410	0.164
Aroclor-1242	ND		0.410	0.164
Aroclor-1248	45.7		0.410	0.164
Aroclor-1254	ND		0.410	0.164
Aroclor-1260	11.8		0.410	0.164
Aroclor-1262	ND		0.410	0.164
Aroclor-1268	ND		0.410	0.164
PCBs	57.5		0.410	0.164

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 00646-022
Client ID: CC-41(R)(1)
Date Received: 01/22/2013
Date Extracted: 01/29/2013
Date Analyzed: 01/29/2013
Data file: R7083.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.37g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 87.5

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.298	0.119
Aroclor-1221	ND		0.298	0.119
Aroclor-1232	ND		0.298	0.119
Aroclor-1242	ND		0.298	0.119
Aroclor-1248	22.6		0.298	0.119
Aroclor-1254	ND		0.298	0.119
Aroclor-1260	ND		0.298	0.119
Aroclor-1262	ND		0.298	0.119
Aroclor-1268	ND		0.298	0.119
PCBs	22.6		0.298	0.119

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 00646-023
Client ID: CC-41(R)(2)
Date Received: 01/22/2013
Date Extracted: 01/29/2013
Date Analyzed: 01/29/2013
Data file: R7084.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.53g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 65.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.103	0.041
Aroclor-1221	ND		0.103	0.041
Aroclor-1232	ND		0.103	0.041
Aroclor-1242	0.874		0.103	0.041
Aroclor-1248	ND		0.103	0.041
Aroclor-1254	ND		0.103	0.041
Aroclor-1260	ND		0.103	0.041
Aroclor-1262	ND		0.103	0.041
Aroclor-1268	ND		0.103	0.041
PCBs	0.874		0.103	0.041

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 00646-024
Client ID: CC-41(R)(3)
Date Received: 01/22/2013
Date Extracted: 01/29/2013
Date Analyzed: 01/29/2013
Data file: R7085.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.24g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 23.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.050	0.020
Aroclor-1221	ND		0.050	0.020
Aroclor-1232	ND		0.050	0.020
Aroclor-1242	0.090		0.050	0.020
Aroclor-1248	ND		0.050	0.020
Aroclor-1254	ND		0.050	0.020
Aroclor-1260	ND		0.050	0.020
Aroclor-1262	ND		0.050	0.020
Aroclor-1268	ND		0.050	0.020
PCBs	0.090		0.050	0.020

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 00646-025
Client ID: FB-59
Date Received: 01/22/2013
Date Extracted: 01/24/2013
Date Analyzed: 01/26/2013
Data file: Y5437.D

GC Column: DB-5/DB1701P
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-mg/L (ppm)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.00005	0.00002
Aroclor-1221	ND		0.00005	0.00002
Aroclor-1232	ND		0.00005	0.00002
Aroclor-1242	ND		0.00005	0.00002
Aroclor-1248	ND		0.00005	0.00002
Aroclor-1254	ND		0.00005	0.00002
Aroclor-1260	ND		0.00005	0.00002
Aroclor-1262	ND		0.00005	0.00002
Aroclor-1268	ND		0.00005	0.00002
PCBs	ND		0.00005	0.00002

PCB DATA

PCB QC SUMMARY

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 01/16/2013

Client ID	Lab	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
	Sample ID		% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKA130116-05	AQUEOUS	109		65		105		76	
FIELD_BLAN	00268-031	AQUEOUS	81		58		75		64	
FRAC-1	00374-001	AQUEOUS	47		83		47		98	
PCB	00374-001MS	AQUEOUS	56		72		58		78	
PCB	00374-001MSD	AQUEOUS	53		61		53		70	
PCB	LCSA130116-05	AQUEOUS	98		69		92		76	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

	<u>Soil</u>	<u>Aqueous</u>
	30-150	30-150
	30-150	30-150

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 01/26/2013

Client ID	Lab	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
	Sample ID		% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKA130124-06	AQUEOUS	86		102		87		103	
MW-12RR	00538-005	AQUEOUS	51		90		65		107	
FB	00538-011	AQUEOUS	78		87		79		104	
EFFLUENT	00581-001	AQUEOUS	77		101		79		103	
MW-11RR	00538-006	AQUEOUS	47		116		61		102	
FB-57	00569-017	AQUEOUS	79		94		82		113	
FB-58	00627-025	AQUEOUS	71		82		72		86	
FB-59	00646-025	AQUEOUS	74		85		76		99	
F-TANK	00622-006	AQUEOUS	66		81		69		95	
FB_011813	00578-002	AQUEOUS	75		85		77		91	
PCB	LCSA130124-06	AQUEOUS	105		103		86		99	

Surrogate QC Limits	<u>Soil</u>	<u>Aqueous</u>
TCMX = Tetrachloro-m-xylene	30-150	30-150
DCB = Decachlorobiphenyl	30-150	30-150

Column to be used to flag recovery values
 * Values outside of QC limits
 D Surrogate diluted out
 M Matrix interference

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 01/29/2013

Client ID	Lab	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
	Sample ID		% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKS130128-03	SOIL	105		101		107		133	
WH-61-DEI.-	00710-011	SOLID	112		115		112		138	
WH-61-DEI.-	00710-012	SOLID	105		100		108		135	
FF-40_(2.0	00627-023	SOIL	120		138		117		147	
FF-40_(3.0	00627-024	SOIL	110		104		109		117	
EE-42(0-1.	00646-001	SOIL	119		135		120		150	
EE-42(1.0-	00646-002	SOIL	125		142		121		150	
EE-42(2.0-	00646-003	SOIL	121		119		116		147	
EE-42(3.0-	00646-004	SOIL	110		110		109		125	
DD-41(R)(1	00646-006	SOIL	123		120		123		144	
DD-41(R)(2	00646-007	SOIL	118		126		117		127	
DD-41(R)(3	00646-008	SOIL	111		122		111		136	
FF-39(0-1.	00646-009	SOIL	119		134		119		143	
FF-39(1.0-	00646-010	SOIL	124		117		120		148	
FF-39(2.0-	00646-011	SOIL	114		102		111		135	
FF-39(3.0-	00646-012	SOIL	115		110		111		147	
FF-38(0-1.	00646-013	SOIL	108		102		107		119	
FF-38(1.0-	00646-014	SOIL	75		111		100		134	
FF-38(2.0-	00646-015	SOIL	108		119		115		131	
FF-38(3.0-	00646-016	SOIL	116		134		113		124	
PCB	00646-016MS	SOIL	116		108		112		117	
PCB	00646-016MSD	SOIL	115		103		112		126	
PCB	LCSS130128-03	SOIL	115		96		110		119	
DD-41(R)(0	00646-005	SOIL	146		147		184	M	150	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

Soil

30-150

30-150

Aqueous

30-150

30-150

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 01/29/2013

Client ID	Lab	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
	Sample ID		% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKS130129-05	SOIL	110		115		106		136	
P10-ASB-1	00786-007	SOLID	103		101		105		123	
WASTE_CLAS	00769-001	SOIL	91		104		96		117	
PCB	00769-001MS	SOIL	85		86		92		112	
PCB	00769-001MSD	SOIL	90		91		97		115	
PCB	LCSS130129-05	SOIL	105		98		103		120	
SS-1/4-4.5	00476-001	SOIL	103		110		106		137	
CC-42(R)(1)	00646-018	SOIL	112		142		118		149	
CC-42(R)(2)	00646-019	SOIL	118		138		117		144	
CC-42(R)(3)	00646-020	SOIL	109		100		108		145	
CC-41(R)(1)	00646-022	SOIL	98		139		114		149	
CC-41(R)(2)	00646-023	SOIL	113		149		119		143	
CC-41(R)(3)	00646-024	SOIL	104		110		109		145	
S-7	00592-001	SOIL	99		104		107		133	
S-6	00592-002	SOIL	97		103		107		139	
WOPE-7/5	00566-002	SOIL	86		101		101		121	
WO-BASE/9.	00566-003	SOIL	61		73		86		105	
CC-42(R)(0)	00646-017	SOIL	150		132		195	*	182	*
CC-41(R)(0)	00646-021	SOIL	131		131		176	*	178	*

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

Soil

30-150

30-150

Aqueous

30-150

30-150

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

AQUEOUS PCB BLANK SPIKE RECOVERY

Matrix spike Lab sample ID: LCSA130124-06

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	393.0	79	40 - 140
Aroclor-1260	500.0	0.0	438.9	88	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

Spike Recovery: 0 out of 2 outside limits

SOIL PCB BLANK SPIKE RECOVERY

Matrix spike Lab sample ID:

LCSS130128-03

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	487.6	98	40 - 140
Aroclor-1260	500.0	0.0	507.5	102	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

Spike Recovery: 0 out of 2 outside limits

SOIL PCB BLANK SPIKE RECOVERY

Matrix spike Lab sample ID: LCSS130129-05

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	455.5	91	40 - 140
Aroclor-1260	500.0	0.0	457.2	91	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

Spike Recovery: 0 out of 2 outside limits

AQUEOUS PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 00374-001

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	222.9	45	40 - 140
Aroclor-1260	500.0	0.0	248.9	50	40 - 140

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD		QC LIMITS	
			#	% REC	% RPD #	RPD
Aroclor-1016	0.0	261.8	52	14	50	40 - 140
Aroclor-1260	0.0	275.5	55	10	50	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

SOIL PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 00646-016

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	510.8	102	40 - 140
Aroclor-1260	500.0	0.0	527.5	106	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD		QC LIMITS	
			#	% REC	% RPD #	RPD
Aroclor-1016	0.0	517.8	104	2	50	40 - 140
Aroclor-1260	0.0	527.9	106	0	50	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

SOIL PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 00769-001

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	330.8	66	40 - 140
Aroclor-1260	500.0	0.0	374.4	75	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD		QC LIMITS	
			#	% REC	% RPD #	RPD
Aroclor-1016	0.0	359.0	72	9	50	40 - 140
Aroclor-1260	0.0	399.9	80	6	50	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

PCB METHOD BLANK SUMMARY

Lab File ID: R6883.D

Instrument ID: GC-R

Date Extracted: 01/16/2013

Matrix: AQUEOUS

Date Analyzed: 01/16/2013

Time Analyzed: 12:54

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
FIELD_BLAN	00268-031	01/16/2013	13:12
FRAC-1	00374-001	01/16/2013	13:29
PCB	00374-001MS	01/16/2013	13:46
PCB	00374-001MSD	01/16/2013	14:04
PCB	LCSA130116-05	01/16/2013	14:21

PCB METHOD BLANK SUMMARY

Lab File ID: Y5430.D

Instrument ID: GC-Y

Date Extracted: 01/24/2013

Matrix: AQUEOUS

Date Analyzed: 01/26/2013

Time Analyzed: 17:36

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
MW-12RR	00538-005	01/26/2013	17:54
FB	00538-011	01/26/2013	18:11
EFFLUENT	00581-001	01/26/2013	18:28
MW-11RR	00538-006	01/26/2013	18:45
FB-57	00569-017	01/26/2013	19:02
FB-58	00627-025	01/26/2013	19:19
FB-59	00646-025	01/26/2013	19:36
F-TANK	00622-006	01/26/2013	19:54
FB_011813	00578-002	01/26/2013	20:11
PCB	LCSA130124-06	01/28/2013	10:56

PCB METHOD BLANK SUMMARY

Lab File ID: R7092.D Instrument ID: GC-R
Date Extracted: 01/28/2013 Matrix: SOIL
Date Analyzed: 01/29/2013 Time Analyzed: 22:45

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

<u>Client ID</u>	<u>Lab Sample ID</u>	<u>Date Analyzed</u>	<u>Time Analyzed</u>
WH-61-DEL-	00710-011	01/29/2013	23:03
WH-61-DEL-	00710-012	01/29/2013	23:20
FF-40_(2.0	00627-023	01/29/2013	23:38
FF-40_(3.0	00627-024	01/29/2013	23:55
EE-42(0-1.	00646-001	01/30/2013	00:12
EE-42(1.0-	00646-002	01/30/2013	00:30
EE-42(2.0-	00646-003	01/30/2013	00:47
EE-42(3.0-	00646-004	01/30/2013	01:05
DD-41(R)(1	00646-006	01/30/2013	01:40
DD-41(R)(2	00646-007	01/30/2013	01:57
DD-41(R)(3	00646-008	01/30/2013	02:15
FF-39(0-1.	00646-009	01/30/2013	02:32
FF-39(1.0-	00646-010	01/30/2013	02:49
FF-39(2.0-	00646-011	01/30/2013	03:07
FF-39(3.0-	00646-012	01/30/2013	03:24
FF-38(0-1.	00646-013	01/30/2013	03:42
FF-38(1.0-	00646-014	01/30/2013	03:59
FF-38(2.0-	00646-015	01/30/2013	04:16
FF-38(3.0-	00646-016	01/30/2013	04:34
PCB	00646-016MS	01/30/2013	04:51
PCB	00646-016MSD	01/30/2013	05:09
PCB	LCSS130128-03	01/30/2013	05:26
DD-41(R)(0	00646-005	01/30/2013	12:16

PCB METHOD BLANK SUMMARY

Lab File ID: R7070.D Instrument ID: GC-R
Date Extracted: 01/29/2013 Matrix: SOIL
Date Analyzed: 01/29/2013 Time Analyzed: 15:46

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
P10-ASB-1	00786-007	01/29/2013	16:05
WASTE_CLAS	00769-001	01/29/2013	16:22
PCB	00769-001MS	01/29/2013	16:40
PCB	00769-001MSD	01/29/2013	16:57
PCB	LCSS130129-05	01/29/2013	17:15
SS-1/4-4.5	00476-001	01/29/2013	17:50
CC-42(R)(1)	00646-018	01/29/2013	18:25
CC-42(R)(2)	00646-019	01/29/2013	18:42
CC-42(R)(3)	00646-020	01/29/2013	18:59
CC-41(R)(1)	00646-022	01/29/2013	19:34
CC-41(R)(2)	00646-023	01/29/2013	19:52
CC-41(R)(3)	00646-024	01/29/2013	20:09
S-7	00592-001	01/29/2013	20:26
S-6	00592-002	01/29/2013	20:44
WOPE-7/5	00566-002	01/29/2013	21:01
WO-BASE/9.	00566-003	01/29/2013	21:18
CC-42(R)(0)	00646-017	01/30/2013	10:15
CC-41(R)(0)	00646-021	01/30/2013	10:33

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/25/2013

Instrument ID: GC-Y

GC Column (1st): DB-5

Data File: Y5335.D Y5333.D Y5334.D Y5332.D Y5331.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.26	3.25	3.25	3.25	3.25	3.25	3.17	3.33
Aroclor-1016 {2}	4.08	4.08	4.08	4.08	4.08	4.08	4.00	4.16
Aroclor-1016 {3}	4.63	4.63	4.63	4.63	4.63	4.63	4.55	4.71
Aroclor-1016 {4}	5.13	5.13	5.13	5.13	5.13	5.13	5.05	5.21
Aroclor-1016 {5}	5.53	5.53	5.52	5.53	5.52	5.52	5.44	5.60
Aroclor-1221			2.16				2.09	2.23
Aroclor-1221 {2}			3.05				2.98	3.12
Aroclor-1221 {3}			3.17				3.10	3.24
Aroclor-1221 {4}			3.25				3.18	3.32
Aroclor-1221 {5}			3.84				3.77	3.91
Aroclor-1232			3.25				3.18	3.32
Aroclor-1232 {2}			4.08				4.01	4.15
Aroclor-1232 {3}			4.74				4.67	4.81
Aroclor-1232 {4}			5.33				5.26	5.40
Aroclor-1232 {5}			5.53				5.46	5.60
Aroclor-1242			4.08				4.01	4.15
Aroclor-1242 {2}			5.01				4.94	5.08
Aroclor-1242 {3}			5.33				5.26	5.40
Aroclor-1242 {4}			6.03				5.96	6.10
Aroclor-1242 {5}			6.30				6.23	6.37
Aroclor-1248			4.48				4.40	4.56
Aroclor-1248 {2}			5.01				4.93	5.09
Aroclor-1248 {3}			5.33				5.25	5.41
Aroclor-1248 {4}			6.03				5.95	6.11
Aroclor-1248 {5}			6.30				6.22	6.38
Aroclor-1254			6.42				6.34	6.50
Aroclor-1254 {2}			6.85				6.77	6.93
Aroclor-1254 {3}			7.02				6.93	7.11
Aroclor-1254 {4}			7.46				7.37	7.55
Aroclor-1254 {5}			8.30				8.21	8.39
Aroclor-1260	8.30	8.30	8.30	8.30	8.30	8.30	7.30	9.30
Aroclor-1260 {2}	8.97	8.97	8.97	8.97	8.97	8.97	7.97	9.97
Aroclor-1260 {3}	9.45	9.45	9.44	9.44	9.45	9.45	8.45	10.45
Aroclor-1260 {4}	9.92	9.93	9.93	9.93	9.93	9.93	8.93	10.93
Aroclor-1260 {5}	10.99	10.99	10.98	10.99	10.98	10.99	9.99	11.99

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/25/2013

Instrument ID: GC-Y

GC Column (1st): DB-5

Data File: Y5335.D Y5333.D Y5334.D Y5332.D Y5331.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	1757934	1806237	1761919	1663937	1574754	1712956	5.43
Aroclor-1016 {2}	2592381	2450599	2511332	2411989	2282556	2449772	4.72
Aroclor-1016 {3}	3358944	3341023	3303316	3220501	3061634	3257084	3.73
Aroclor-1016 {4}	1538381	1564064	1580883	1562618	1530467	1555283	1.32
Aroclor-1016 {5}	2429564	2645287	2676285	2670785	2673939	2619172	4.07
Aroclor-1221			759396				
Aroclor-1221 {2}			1414115				
Aroclor-1221 {3}			912052				
Aroclor-1221 {4}			3208112				
Aroclor-1221 {5}			628030				
Aroclor-1232			2181450				
Aroclor-1232 {2}			1220704				
Aroclor-1232 {3}			1142534				
Aroclor-1232 {4}			1131867				
Aroclor-1232 {5}			1629943				
Aroclor-1242			2364433				
Aroclor-1242 {2}			1553722				
Aroclor-1242 {3}			2054130				
Aroclor-1242 {4}			3449034				
Aroclor-1242 {5}			2832395				
Aroclor-1248			4721837				
Aroclor-1248 {2}			2771942				
Aroclor-1248 {3}			3262631				
Aroclor-1248 {4}			5937434				
Aroclor-1248 {5}			4222650				
Aroclor-1254			5362925				
Aroclor-1254 {2}			4117286				
Aroclor-1254 {3}			7953849				
Aroclor-1254 {4}			8006222				
Aroclor-1254 {5}			7433443				
Aroclor-1260	6293612	7126476	7717640	7749389	7515281	7280479	8.31
Aroclor-1260 {2}	2999188	3106663	3340417	3194797	3096672	3147547	4.07
Aroclor-1260 {3}	7880935	9045070	9753764	9649678	9258917	9117673	8.21
Aroclor-1260 {4}	3890758	4213575	4410300	4523703	4323916	4272451	5.66
Aroclor-1260 {5}	2078950	1909543	2483598	2127205	2203664	2160592	9.74
Average %RSD							5.53

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/25/2013

Instrument ID: GC-Y
 GC Column (2nd): DB-1701P

Data File: Y5335.C Y5333.C Y5334.C Y5332.C Y5331.C

Compound	RT OF STANDARDS					MEAN RT	RT WI N DOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.74	3.74	3.74	3.74	3.74	3.74	3.66	3.82
Aroclor-1016 {2}	4.33	4.33	4.34	4.34	4.34	4.34	4.26	4.42
Aroclor-1016 {3}	5.08	5.08	5.09	5.08	5.08	5.08	5.00	5.16
Aroclor-1016 {4}	5.29	5.29	5.29	5.29	5.29	5.29	5.21	5.37
Aroclor-1016 {5}	5.46	5.46	5.47	5.46	5.46	5.46	5.38	5.54
Aroclor-1221			2.43				2.36	2.50
Aroclor-1221 {2}			3.42				3.35	3.49
Aroclor-1221 {3}			3.65				3.58	3.72
Aroclor-1221 {4}			3.75				3.68	3.82
Aroclor-1221 {5}			5.09				5.02	5.16
Aroclor-1232			3.74				3.67	3.81
Aroclor-1232 {2}			4.71				4.64	4.78
Aroclor-1232 {3}			5.29				5.22	5.36
Aroclor-1232 {4}			5.46				5.39	5.53
Aroclor-1232 {5}			6.06				5.99	6.13
Aroclor-1242			4.71				4.64	4.78
Aroclor-1242 {2}			5.46				5.39	5.53
Aroclor-1242 {3}			6.06				5.99	6.13
Aroclor-1242 {4}			6.21				6.14	6.28
Aroclor-1242 {5}			6.76				6.69	6.83
Aroclor-1248			5.08				5.00	5.16
Aroclor-1248 {2}			5.66				5.58	5.74
Aroclor-1248 {3}			6.06				5.98	6.14
Aroclor-1248 {4}			6.21				6.13	6.29
Aroclor-1248 {5}			6.56				6.48	6.64
Aroclor-1254			7.05				6.97	7.13
Aroclor-1254 {2}			7.63				7.55	7.71
Aroclor-1254 {3}			8.25				8.16	8.34
Aroclor-1254 {4}			8.48				8.39	8.57
Aroclor-1254 {5}			9.06				8.97	9.15
Aroclor-1260	7.82	7.82	7.82	7.82	7.82	7.82	6.82	8.82
Aroclor-1260 {2}	8.07	8.07	8.07	8.07	8.07	8.07	7.07	9.07
Aroclor-1260 {3}	9.65	9.65	9.66	9.66	9.66	9.66	8.66	10.66
Aroclor-1260 {4}	10.16	10.16	10.16	10.16	10.16	10.16	9.16	11.16
Aroclor-1260 {5}	10.75	10.75	10.75	10.75	10.75	10.75	9.75	11.75

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/25/2013

Instrument ID: GC-Y
 GC Column (2nd): DB-1701P

Data File: Y5335.C Y5333.C Y5334.C Y5332.C Y5331.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	676116	592145	535428	501964	472773	555685	14.51
Aroclor-1016 {2}	1430836	1252385	1085147	1014531	954179	1147416	16.89
Aroclor-1016 {3}	2866682	2612872	2348701	2267582	2173835	2453934	11.52
Aroclor-1016 {4}	1240465	1101337	1025380	971069	919348	1051520	11.92
Aroclor-1016 {5}	917262	854831	778399	752709	722329	805106	9.89
Aroclor-1221			265255				
Aroclor-1221 {2}			374700				
Aroclor-1221 {3}			257330				
Aroclor-1221 {4}			926281				
Aroclor-1221 {5}			166272				
Aroclor-1232			657024				
Aroclor-1232 {2}			244286				
Aroclor-1232 {3}			522210				
Aroclor-1232 {4}			408479				
Aroclor-1232 {5}			577181				
Aroclor-1242			448048				
Aroclor-1242 {2}			774952				
Aroclor-1242 {3}			1019409				
Aroclor-1242 {4}			852925				
Aroclor-1242 {5}			1644806				
Aroclor-1248			1377427				
Aroclor-1248 {2}			2141584				
Aroclor-1248 {3}			1519196				
Aroclor-1248 {4}			1285374				
Aroclor-1248 {5}			725758				
Aroclor-1254			1916926				
Aroclor-1254 {2}			1505795				
Aroclor-1254 {3}			1364194				
Aroclor-1254 {4}			859038				
Aroclor-1254 {5}			2092616				
Aroclor-1260	1029148	1024300	861288	836231	789088	908011	12.27
Aroclor-1260 {2}	1560262	1535115	1315072	1266793	1194216	1374292	11.95
Aroclor-1260 {3}	1156315	1191784	1092170	1090693	1064829	1119158	4.72
Aroclor-1260 {4}	2754525	2661873	2421984	2446971	2415469	2540164	6.19
Aroclor-1260 {5}	1807320	1992793	1751047	1775499	1738948	1813121	5.72
Average %RSD							10.56

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/25/2013

Instrument ID: GC-Y

GC Column (1st): DB-5

Data File: Y5335.D Y5333.D Y5334.D Y5332.D Y5331.D

Compound	RT OF STANDARDS					MEAN RT	RT WI N DOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			8.59				7.69	7.69
Aroclor-1262 {2}			9.45				8.55	8.55
Aroclor-1262 {3}			10.07				9.17	9.17
Aroclor-1262 {4}			10.16				9.16	9.16
Aroclor-1262 {5}			10.99				9.99	9.99
Aroclor-1268			10.08				9.08	9.08
Aroclor-1268 {2}			10.16				9.06	9.06
Aroclor-1268 {3}			10.62				9.52	9.52
Aroclor-1268 {4}			10.75				9.65	9.65
Aroclor-1268 {5}			11.59				10.49	10.49

GC Column (2nd): DB-1701P

Data File: Y5335.C Y5333.C Y5334.C Y5332.C Y5331.C

Compound	RT OF STANDARDS					MEAN RT	RT WI N DOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			9.65				8.75	8.75
Aroclor-1262 {2}			10.16				9.26	9.26
Aroclor-1262 {3}			10.65				9.75	9.75
Aroclor-1262 {4}			10.74				9.74	9.74
Aroclor-1262 {5}			11.34				10.34	10.34
Aroclor-1268			10.65				9.65	9.65
Aroclor-1268 {2}			10.74				9.64	9.64
Aroclor-1268 {3}			10.99				9.89	9.89
Aroclor-1268 {4}			11.13				10.03	10.03
Aroclor-1268 {5}			12.21				11.11	11.11

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/25/2013

Instrument ID: GC-Y

GC Column (1st): DB-5

Data File: Y5335.D Y5333.D Y5334.D Y5332.D Y5331.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			7555340				
Aroclor-1262 {2}			16406416				
Aroclor-1262 {3}			5688611				
Aroclor-1262 {4}			7881684				
Aroclor-1262 {5}			5567187				
Aroclor-1268			14203449				
Aroclor-1268 {2}			21979623				
Aroclor-1268 {3}			16244902				
Aroclor-1268 {4}			4562401				
Aroclor-1268 {5}			51236943				

GC Column (2nd): DB-1701P

Data File: Y5335.C Y5333.C Y5334.C Y5332.C Y5331.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			1854646				
Aroclor-1262 {2}			4140290				
Aroclor-1262 {3}			1327424				
Aroclor-1262 {4}			2905909				
Aroclor-1262 {5}			506598				
Aroclor-1268			4121066				
Aroclor-1268 {2}			4634569				
Aroclor-1268 {3}			3594558				
Aroclor-1268 {4}			1111384				
Aroclor-1268 {5}			10725724				

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/26/2013

Instrument ID: GC-Y

Data File: Y5429.D

GC Column (1st): DB-5

Compound	RT	RT WI N DOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.26	3.17	3.33	1712956	1586574	7.38
Aroclor-1016 {2}	4.08	4.00	4.16	2449772	2110231	13.86
Aroclor-1016 {3}	4.63	4.55	4.71	3257084	3012901	7.50
Aroclor-1016 {4}	5.14	5.05	5.21	1555283	1570144	0.96
Aroclor-1016 {5}	5.53	5.44	5.60	2619172	2477077	5.43
Aroclor-1260	8.31	7.30	9.30	7280479	7377788	1.34
Aroclor-1260 {2}	8.98	7.97	9.97	3147547	2799496	11.06
Aroclor-1260 {3}	9.45	8.45	10.45	9117673	9553630	4.78
Aroclor-1260 {4}	9.93	8.93	10.93	4272451	4131932	3.29
Aroclor-1260 {5}	10.99	9.99	11.99	2160592	2051903	5.03

Data File: Y5429.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI N DOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.74	3.66	3.82	555685	527133	5.14
Aroclor-1016 {2}	4.34	4.26	4.42	1147416	1063050	7.35
Aroclor-1016 {3}	5.09	5.00	5.16	2453934	2295197	6.47
Aroclor-1016 {4}	5.29	5.21	5.37	1051520	962985	8.42
Aroclor-1016 {5}	5.47	5.38	5.54	805106	778607	3.29
Aroclor-1260	7.82	6.82	8.82	908011	878612	3.24
Aroclor-1260 {2}	8.07	7.07	9.07	1374292	1362498	0.86
Aroclor-1260 {3}	9.66	8.66	10.66	1119158	1191848	6.50
Aroclor-1260 {4}	10.16	9.16	11.16	2540164	2640148	3.94
Aroclor-1260 {5}	10.75	9.75	11.75	1813121	1909445	5.31

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/26/2013

Instrument ID: GC-Y

Data File: Y5441.D

GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.26	3.17	3.33	1712956	1566272	8.56
Aroclor-1016 {2}	4.08	4.00	4.16	2449772	2108384	13.94
Aroclor-1016 {3}	4.63	4.55	4.71	3257084	3004986	7.74
Aroclor-1016 {4}	5.14	5.05	5.21	1555283	1526385	1.86
Aroclor-1016 {5}	5.53	5.44	5.60	2619172	2427254	7.33
Aroclor-1260	8.31	7.30	9.30	7280479	7382350	1.40
Aroclor-1260 {2}	8.98	7.97	9.97	3147547	2859916	9.14
Aroclor-1260 {3}	9.45	8.45	10.45	9117673	9453190	3.68
Aroclor-1260 {4}	9.93	8.93	10.93	4272451	4216801	1.30
Aroclor-1260 {5}	10.99	9.99	11.99	2160592	2087496	3.38

Data File: Y5441.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.74	3.66	3.82	555685	529897	4.64
Aroclor-1016 {2}	4.34	4.26	4.42	1147416	1069353	6.80
Aroclor-1016 {3}	5.09	5.00	5.16	2453934	2306554	6.01
Aroclor-1016 {4}	5.29	5.21	5.37	1051520	976499	7.13
Aroclor-1016 {5}	5.47	5.38	5.54	805106	784294	2.58
Aroclor-1260	7.82	6.82	8.82	908011	892670	1.69
Aroclor-1260 {2}	8.07	7.07	9.07	1374292	1385293	0.80
Aroclor-1260 {3}	9.66	8.66	10.66	1119158	1214082	8.48
Aroclor-1260 {4}	10.16	9.16	11.16	2540164	2691436	5.96
Aroclor-1260 {5}	10.75	9.75	11.75	1813121	1949908	7.54

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/28/2013 Instrument ID: GC-Y

Data File: Y5442.D GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.25	3.17	3.33	1712956	1868538	9.08
Aroclor-1016 {2}	4.07	4.00	4.16	2449772	2549481	4.07
Aroclor-1016 {3}	4.62	4.55	4.71	3257084	3505809	7.64
Aroclor-1016 {4}	5.13	5.05	5.21	1555283	1788948	15.02
Aroclor-1016 {5}	5.52	5.44	5.60	2619172	2812797	7.39
Aroclor-1260	8.29	7.30	9.30	7280479	8685604	19.30
Aroclor-1260 {2}	8.96	7.97	9.97	3147547	3530122	12.15
Aroclor-1260 {3}	9.44	8.45	10.45	9117673	10394358	14.00
Aroclor-1260 {4}	9.92	8.93	10.93	4272451	4841681	13.32
Aroclor-1260 {5}	10.97	9.99	11.99	2160592	1986346	8.06

Data File: Y5442.C GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.75	3.66	3.82	555685	543992	2.10
Aroclor-1016 {2}	4.34	4.26	4.42	1147416	1083611	5.56
Aroclor-1016 {3}	5.09	5.00	5.16	2453934	2404104	2.03
Aroclor-1016 {4}	5.30	5.21	5.37	1051520	1011041	3.85
Aroclor-1016 {5}	5.47	5.38	5.54	805106	794002	1.38
Aroclor-1260	7.82	6.82	8.82	908011	942301	3.78
Aroclor-1260 {2}	8.07	7.07	9.07	1374292	1399144	1.81
Aroclor-1260 {3}	9.66	8.66	10.66	1119158	1232675	10.14
Aroclor-1260 {4}	10.16	9.16	11.16	2540164	2607531	2.65
Aroclor-1260 {5}	10.75	9.75	11.75	1813121	1872534	3.28

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/28/2013

Instrument ID: GC-Y

Data File: Y5444.D

GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.25	3.17	3.33	1712956	2003571	16.97
Aroclor-1016 {2}	4.07	4.00	4.16	2449772	2756102	12.50
Aroclor-1016 {3}	4.63	4.55	4.71	3257084	3772140	15.81
Aroclor-1016 {4}	5.13	5.05	5.21	1555283	1660252	6.75
Aroclor-1016 {5}	5.52	5.44	5.60	2619172	3028911	15.64
Aroclor-1260	8.30	7.30	9.30	7280479	8359851	14.83
Aroclor-1260 {2}	8.97	7.97	9.97	3147547	3692353	17.31
Aroclor-1260 {3}	9.44	8.45	10.45	9117673	10759385	18.01
Aroclor-1260 {4}	9.93	8.93	10.93	4272451	4961524	16.13
Aroclor-1260 {5}	10.98	9.99	11.99	2160592	2237069	3.54

Data File: Y5444.C

GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.75	3.66	3.82	555685	558231	0.46
Aroclor-1016 {2}	4.34	4.26	4.42	1147416	1106298	3.58
Aroclor-1016 {3}	5.09	5.00	5.16	2453934	2438189	0.64
Aroclor-1016 {4}	5.30	5.21	5.37	1051520	1072935	2.04
Aroclor-1016 {5}	5.47	5.38	5.54	805106	825178	2.49
Aroclor-1260	7.82	6.82	8.82	908011	932109	2.65
Aroclor-1260 {2}	8.08	7.07	9.07	1374292	1429353	4.01
Aroclor-1260 {3}	9.66	8.66	10.66	1119158	1246907	11.41
Aroclor-1260 {4}	10.17	9.16	11.16	2540164	2652039	4.40
Aroclor-1260 {5}	10.75	9.75	11.75	1813121	1878258	3.59

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/15/2013

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R6843.D R6841.D R6840.D R6839.D R6838.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.89	3.89	3.89	3.89	3.89	3.89	3.82	3.96
Aroclor-1016 {2}	4.78	4.78	4.78	4.78	4.78	4.78	4.71	4.85
Aroclor-1016 {3}	5.36	5.37	5.37	5.37	5.37	5.37	5.30	5.44
Aroclor-1016 {4}	5.89	5.89	5.89	5.89	5.89	5.89	5.82	5.96
Aroclor-1016 {5}	6.31	6.31	6.31	6.31	6.31	6.31	6.24	6.38
Aroclor-1221			2.67				2.60	2.74
Aroclor-1221 {2}			3.67				3.60	3.74
Aroclor-1221 {3}			3.81				3.74	3.88
Aroclor-1221 {4}			3.89				3.82	3.96
Aroclor-1221 {5}			4.53				4.46	4.60
Aroclor-1232			3.89				3.82	3.96
Aroclor-1232 {2}			4.78				4.71	4.85
Aroclor-1232 {3}			5.49				5.42	5.56
Aroclor-1232 {4}			6.10				6.03	6.17
Aroclor-1232 {5}			6.31				6.24	6.38
Aroclor-1242			4.78				4.71	4.85
Aroclor-1242 {2}			5.77				5.70	5.84
Aroclor-1242 {3}			6.10				6.03	6.17
Aroclor-1242 {4}			6.83				6.76	6.90
Aroclor-1242 {5}			7.12				7.05	7.19
Aroclor-1248			5.21				5.13	5.29
Aroclor-1248 {2}			5.76				5.68	5.84
Aroclor-1248 {3}			6.10				6.02	6.18
Aroclor-1248 {4}			6.83				6.75	6.91
Aroclor-1248 {5}			7.12				7.04	7.20
Aroclor-1254			7.23				7.15	7.31
Aroclor-1254 {2}			7.68				7.60	7.76
Aroclor-1254 {3}			7.85				7.76	7.94
Aroclor-1254 {4}			8.31				8.22	8.40
Aroclor-1254 {5}			9.16				9.07	9.25
Aroclor-1260	9.17	9.17	9.16	9.16	9.16	9.16	8.26	10.06
Aroclor-1260 {2}	9.85	9.84	9.84	9.84	9.84	9.84	8.94	10.74
Aroclor-1260 {3}	10.33	10.33	10.32	10.32	10.32	10.33	9.43	11.23
Aroclor-1260 {4}	10.83	10.83	10.82	10.82	10.82	10.82	9.92	11.72
Aroclor-1260 {5}	11.90	11.90	11.89	11.89	11.89	11.89	10.99	12.79

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/15/2013

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R6843.D R6841.D R6840.D R6839.D R6838.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	5248168	4169853	4609197	4546303	4011211	4516946	10.62
Aroclor-1016 {2}	7159398	5680975	6106726	5828381	5364764	6028049	11.39
Aroclor-1016 {3}	8182960	7288566	8408524	8439167	7515342	7966912	6.67
Aroclor-1016 {4}	4958884	3995963	4291105	4263386	3808974	4263663	10.24
Aroclor-1016 {5}	7282009	6233339	6871381	6962300	6337098	6737225	6.55
Aroclor-1221			1748306				
Aroclor-1221 {2}			2501085				
Aroclor-1221 {3}			1681782				
Aroclor-1221 {4}			5951407				
Aroclor-1221 {5}			868368				
Aroclor-1232			3965634				
Aroclor-1232 {2}			1898189				
Aroclor-1232 {3}			1930808				
Aroclor-1232 {4}			1807659				
Aroclor-1232 {5}			2942436				
Aroclor-1242			4161923				
Aroclor-1242 {2}			2611627				
Aroclor-1242 {3}			3508492				
Aroclor-1242 {4}			6012100				
Aroclor-1242 {5}			4900136				
Aroclor-1248			8412154				
Aroclor-1248 {2}			4826311				
Aroclor-1248 {3}			5240235				
Aroclor-1248 {4}			10677115				
Aroclor-1248 {5}			6553920				
Aroclor-1254			11738775				
Aroclor-1254 {2}			7365920				
Aroclor-1254 {3}			14231615				
Aroclor-1254 {4}			9329348				
Aroclor-1254 {5}			12810209				
Aroclor-1260	18344053	18656317	18300262	18487801	16608294	18079345	4.61
Aroclor-1260 {2}	9564316	8558564	8199507	8440667	7645089	8481629	8.25
Aroclor-1260 {3}	23234899	21847737	21219373	21272938	19258255	21366640	6.70
Aroclor-1260 {4}	9763674	9424634	10333829	10664341	10003525	10038000	4.81
Aroclor-1260 {5}	4121760	4327976	4534629	4226220	3997036	4241524	4.83
Average %RSD							7.47

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/15/2013

Instrument ID: GC-R

GC Column (2nd): DB-1701P

Data File: R6843.C R6841.C R6840.C R6839.C R6838.C

Compound	RT OF STANDARDS					MEAN RT	RT WI N DOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	4.25	4.24	4.24	4.24	4.24	4.24	4.17	4.31
Aroclor-1016 {2}	4.86	4.85	4.85	4.85	4.85	4.85	4.78	4.92
Aroclor-1016 {3}	5.64	5.62	5.63	5.62	5.63	5.63	5.56	5.70
Aroclor-1016 {4}	5.85	5.84	5.84	5.84	5.84	5.84	5.77	5.91
Aroclor-1016 {5}	6.03	6.02	6.02	6.02	6.02	6.02	5.95	6.09
Aroclor-1221			2.85				2.78	2.92
Aroclor-1221 {2}			3.91				3.84	3.98
Aroclor-1221 {3}			4.15				4.08	4.22
Aroclor-1221 {4}			4.24				4.17	4.31
Aroclor-1221 {5}			5.63				5.56	5.70
Aroclor-1232			4.24				4.17	4.31
Aroclor-1232 {2}			5.24				5.17	5.31
Aroclor-1232 {3}			5.84				5.77	5.91
Aroclor-1232 {4}			6.02				5.95	6.09
Aroclor-1232 {5}			6.62				6.55	6.69
Aroclor-1242			5.24				5.17	5.31
Aroclor-1242 {2}			6.02				5.95	6.09
Aroclor-1242 {3}			6.62				6.55	6.69
Aroclor-1242 {4}			6.78				6.71	6.85
Aroclor-1242 {5}			7.34				7.27	7.41
Aroclor-1248			5.63				5.55	5.71
Aroclor-1248 {2}			6.22				6.14	6.30
Aroclor-1248 {3}			6.62				6.54	6.70
Aroclor-1248 {4}			6.78				6.70	6.86
Aroclor-1248 {5}			7.14				7.06	7.22
Aroclor-1254			7.63				7.55	7.71
Aroclor-1254 {2}			8.23				8.15	8.31
Aroclor-1254 {3}			8.67				8.58	8.76
Aroclor-1254 {4}			8.86				8.77	8.95
Aroclor-1254 {5}			9.68				9.59	9.77
Aroclor-1260	8.68	8.67	8.67	8.67	8.67	8.67	7.77	9.57
Aroclor-1260 {2}	9.09	9.08	9.08	9.08	9.08	9.08	8.18	9.98
Aroclor-1260 {3}	10.29	10.28	10.28	10.28	10.27	10.28	9.38	11.18
Aroclor-1260 {4}	10.80	10.79	10.79	10.79	10.79	10.79	9.89	11.69
Aroclor-1260 {5}	11.40	11.39	11.38	11.38	11.38	11.39	10.49	12.29

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/15/2013

Instrument ID: GC-R

GC Column (2nd): DB-1701P

Data File: R6843.C R6841.C R6840.C R6839.C R6838.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	7051054	5848303	5957205	6026235	5227370	6022034	10.90
Aroclor-1016 {2}	14387840	12694104	12057363	11837905	10514563	12298355	11.48
Aroclor-1016 {3}	31962172	29408410	26129217	26607717	24525647	27726632	10.64
Aroclor-1016 {4}	12210804	9730818	10684766	10642423	9739249	10601612	9.55
Aroclor-1016 {5}	9368278	9273442	8388502	8422100	7709619	8632388	8.00
Aroclor-1221			2433941				
Aroclor-1221 {2}			3193787				
Aroclor-1221 {3}			2191216				
Aroclor-1221 {4}			7682024				
Aroclor-1221 {5}			1624368				
Aroclor-1232			5369709				
Aroclor-1232 {2}			2090798				
Aroclor-1232 {3}			3614887				
Aroclor-1232 {4}			3079085				
Aroclor-1232 {5}			4262025				
Aroclor-1242			3292322				
Aroclor-1242 {2}			5370508				
Aroclor-1242 {3}			6915206				
Aroclor-1242 {4}			5816655				
Aroclor-1242 {5}			10208233				
Aroclor-1248			10617420				
Aroclor-1248 {2}			15615324				
Aroclor-1248 {3}			11254319				
Aroclor-1248 {4}			10139780				
Aroclor-1248 {5}			5107088				
Aroclor-1254			12974478				
Aroclor-1254 {2}			10062967				
Aroclor-1254 {3}			6203358				
Aroclor-1254 {4}			8210570				
Aroclor-1254 {5}			12214115				
Aroclor-1260	14255050	12357548	11842937	12291493	11529557	12455317	8.52
Aroclor-1260 {2}	13896984	12935490	12995623	13381859	12522176	13146426	3.94
Aroclor-1260 {3}	10364867	9551970	9474680	9968637	9621365	9796304	3.77
Aroclor-1260 {4}	25213873	20980653	20099265	20681679	19659738	21327042	10.47
Aroclor-1260 {5}	13442608	14454104	14142856	14913910	14388810	14268458	3.78
Average %RSD							8.11

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/15/2013

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R6843.D R6841.D R6840.D R6839.D R6838.D

Compound	RT OF STANDARDS					MEAN RT	RT WI N DOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			9.54				8.64	8.64
Aroclor-1262 {2}			10.33				9.43	9.43
Aroclor-1262 {3}			10.96				10.06	10.06
Aroclor-1262 {4}			11.06				10.06	10.06
Aroclor-1262 {5}			11.89				10.89	10.89
Aroclor-1268			10.96				9.96	9.96
Aroclor-1268 {2}			11.05				9.95	9.95
Aroclor-1268 {3}			11.52				10.42	10.42
Aroclor-1268 {4}			11.66				10.56	10.56
Aroclor-1268 {5}			12.50				11.40	11.40

GC Column (2nd): DB-1701P

Data File: R6843.C R6841.C R6840.C R6839.C R6838.C

Compound	RT OF STANDARDS					MEAN RT	RT WI N DOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			10.27				9.37	9.37
Aroclor-1262 {2}			10.79				9.89	9.89
Aroclor-1262 {3}			11.29				10.39	10.39
Aroclor-1262 {4}			11.38				10.38	10.38
Aroclor-1262 {5}			11.99				10.99	10.99
Aroclor-1268			11.29				10.29	10.29
Aroclor-1268 {2}			11.37				10.27	10.27
Aroclor-1268 {3}			11.62				10.52	10.52
Aroclor-1268 {4}			11.77				10.67	10.67
Aroclor-1268 {5}			12.86				11.76	11.76

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/15/2013 Instrument ID: GC-R
 GC Column (1st): DB-5

Data File: R6843.D R6841.D R6840.D R6839.D R6838.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			6505303				
Aroclor-1262 {2}			24527064				
Aroclor-1262 {3}			8713922				
Aroclor-1262 {4}			10930284				
Aroclor-1262 {5}			7458096				
Aroclor-1268			24607921				
Aroclor-1268 {2}			29079166				
Aroclor-1268 {3}			20866609				
Aroclor-1268 {4}			5963362				
Aroclor-1268 {5}			62181928				

GC Column (2nd): DB-1701P

Data File: R6843.C R6841.C R6840.C R6839.C R6838.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			9701315				
Aroclor-1262 {2}			21369118				
Aroclor-1262 {3}			6725369				
Aroclor-1262 {4}			14665940				
Aroclor-1262 {5}			2634351				
Aroclor-1268			21288672				
Aroclor-1268 {2}			23528532				
Aroclor-1268 {3}			17891106				
Aroclor-1268 {4}			4549906				
Aroclor-1268 {5}			56385389				

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/16/2013 Instrument ID: GC-R

Data File: R6882.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.89	3.82	3.96	4516946	5108370	13.09
Aroclor-1016 {2}	4.78	4.71	4.85	6028049	6031033	0.05
Aroclor-1016 {3}	5.37	5.30	5.44	7966912	8074118	1.35
Aroclor-1016 {4}	5.89	5.82	5.96	4263663	4826890	13.21
Aroclor-1016 {5}	6.31	6.24	6.38	6737225	7893695	17.17
Aroclor-1260	9.16	8.26	10.06	18079345	20272559	12.13
Aroclor-1260 {2}	9.84	8.94	10.74	8481629	8456382	0.30
Aroclor-1260 {3}	10.32	9.43	11.23	21366640	21450661	0.39
Aroclor-1260 {4}	10.82	9.92	11.72	10038000	9902236	1.35
Aroclor-1260 {5}	11.89	10.99	12.79	4241524	3509165	17.27
Average %D						7.63

Data File: R6882.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	4.24	4.17	4.31	6022034	6246394	3.73
Aroclor-1016 {2}	4.85	4.78	4.92	12298355	12175066	1.00
Aroclor-1016 {3}	5.62	5.56	5.70	27726632	26283281	5.21
Aroclor-1016 {4}	5.84	5.77	5.91	10601612	10560260	0.39
Aroclor-1016 {5}	6.02	5.95	6.09	8632388	8563702	0.80
Aroclor-1260	8.67	7.77	9.57	12455317	12132169	2.59
Aroclor-1260 {2}	9.08	8.18	9.98	13146426	12865145	2.14
Aroclor-1260 {3}	10.28	9.38	11.18	9796304	9549764	2.52
Aroclor-1260 {4}	10.79	9.89	11.69	21327042	19360568	9.22
Aroclor-1260 {5}	11.38	10.49	12.29	14268458	13525047	5.21
Average %D						3.28

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/16/2013

Instrument ID: GC-R

Data File: R6889.D

GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.89	3.82	3.96	4516946	5222878	15.63
Aroclor-1016 {2}	4.78	4.71	4.85	6028049	5554377	7.86
Aroclor-1016 {3}	5.37	5.30	5.44	7966912	8459628	6.18
Aroclor-1016 {4}	5.90	5.82	5.96	4263663	4966743	16.49
Aroclor-1016 {5}	6.31	6.24	6.38	6737225	7211990	7.05
Aroclor-1260	9.16	8.26	10.06	18079345	20912816	15.67
Aroclor-1260 {2}	9.84	8.94	10.74	8481629	9111990	7.43
Aroclor-1260 {3}	10.32	9.43	11.23	21366640	22767567	6.56
Aroclor-1260 {4}	10.82	9.92	11.72	10038000	10289454	2.51
Aroclor-1260 {5}	11.89	10.99	12.79	4241524	3725936	12.16
Average %D						9.75

Data File: R6889.C

GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	4.24	4.17	4.31	6022034	6367882	5.74
Aroclor-1016 {2}	4.85	4.78	4.92	12298355	12307565	0.07
Aroclor-1016 {3}	5.62	5.56	5.70	27726632	26612323	4.02
Aroclor-1016 {4}	5.84	5.77	5.91	10601612	10456212	1.37
Aroclor-1016 {5}	6.02	5.95	6.09	8632388	8754901	1.42
Aroclor-1260	8.67	7.77	9.57	12455317	12301823	1.23
Aroclor-1260 {2}	9.08	8.18	9.98	13146426	12770267	2.86
Aroclor-1260 {3}	10.28	9.38	11.18	9796304	9697734	1.01
Aroclor-1260 {4}	10.79	9.89	11.69	21327042	19720529	7.53
Aroclor-1260 {5}	11.38	10.49	12.29	14268458	13762489	3.55
Average %D						2.88

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/29/2013

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R7060.D R7059.D R7058.D R7057.D R7056.D

Compound	RT OF STANDARDS					MEAN RT	RT WI N DOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.89	3.89	3.89	3.89	3.89	3.89	3.82	3.96
Aroclor-1016 {2}	4.78	4.78	4.78	4.78	4.78	4.78	4.71	4.85
Aroclor-1016 {3}	5.37	5.37	5.37	5.37	5.36	5.37	5.30	5.44
Aroclor-1016 {4}	5.90	5.89	5.89	5.89	5.89	5.89	5.82	5.96
Aroclor-1016 {5}	6.31	6.31	6.31	6.31	6.30	6.31	6.24	6.38
Aroclor-1221			2.67				2.60	2.74
Aroclor-1221 {2}			3.67				3.60	3.74
Aroclor-1221 {3}			3.81				3.74	3.88
Aroclor-1221 {4}			3.89				3.82	3.96
Aroclor-1221 {5}			4.53				4.46	4.60
Aroclor-1232			3.89				3.82	3.96
Aroclor-1232 {2}			4.78				4.71	4.85
Aroclor-1232 {3}			5.49				5.42	5.56
Aroclor-1232 {4}			6.11				6.04	6.18
Aroclor-1232 {5}			6.31				6.24	6.38
Aroclor-1242			4.78				4.71	4.85
Aroclor-1242 {2}			5.76				5.69	5.83
Aroclor-1242 {3}			6.10				6.03	6.17
Aroclor-1242 {4}			6.83				6.76	6.90
Aroclor-1242 {5}			7.12				7.05	7.19
Aroclor-1248			5.21				5.13	5.29
Aroclor-1248 {2}			5.77				5.69	5.85
Aroclor-1248 {3}			6.11				6.03	6.19
Aroclor-1248 {4}			6.83				6.75	6.91
Aroclor-1248 {5}			7.12				7.04	7.20
Aroclor-1254			7.23				7.15	7.31
Aroclor-1254 {2}			7.68				7.60	7.76
Aroclor-1254 {3}			7.86				7.77	7.95
Aroclor-1254 {4}			8.31				8.22	8.40
Aroclor-1254 {5}			9.16				9.07	9.25
Aroclor-1260	9.16	9.16	9.16	9.16	9.16	9.16	8.26	10.06
Aroclor-1260 {2}	9.85	9.84	9.84	9.84	9.84	9.84	8.94	10.74
Aroclor-1260 {3}	10.32	10.33	10.32	10.32	10.32	10.32	9.42	11.22
Aroclor-1260 {4}	10.83	10.82	10.82	10.81	10.81	10.82	9.92	11.72
Aroclor-1260 {5}	11.90	11.89	11.88	11.88	11.88	11.89	10.99	12.79

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/29/2013

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R7060.D R7059.D R7058.D R7057.D R7056.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	5161278	5193625	4879189	4864216	4708624	4961386	4.20
Aroclor-1016 {2}	7232502	7186437	6862359	5903575	6572786	6751532	8.06
Aroclor-1016 {3}	9505459	9407934	8873308	9050023	8712579	9109861	3.73
Aroclor-1016 {4}	5277152	4962118	4399440	4589328	4509461	4747500	7.66
Aroclor-1016 {5}	7467980	7386938	6203362	7297897	7221784	7115592	7.28
Aroclor-1221			2164470				
Aroclor-1221 {2}			3199776				
Aroclor-1221 {3}			2115605				
Aroclor-1221 {4}			7539303				
Aroclor-1221 {5}			2016976				
Aroclor-1232			5887407				
Aroclor-1232 {2}			2640185				
Aroclor-1232 {3}			2821502				
Aroclor-1232 {4}			2582482				
Aroclor-1232 {5}			4285841				
Aroclor-1242			5458916				
Aroclor-1242 {2}			3535067				
Aroclor-1242 {3}			4650235				
Aroclor-1242 {4}			9996673				
Aroclor-1242 {5}			6790341				
Aroclor-1248			12307647				
Aroclor-1248 {2}			6717350				
Aroclor-1248 {3}			7299635				
Aroclor-1248 {4}			15765327				
Aroclor-1248 {5}			9623947				
Aroclor-1254			16238728				
Aroclor-1254 {2}			10214567				
Aroclor-1254 {3}			19651719				
Aroclor-1254 {4}			13601280				
Aroclor-1254 {5}			17565406				
Aroclor-1260	21339660	20169940	15926533	17432373	17522382	18478177	11.97
Aroclor-1260 {2}	9993353	8630295	6981164	7866518	7817829	8257832	13.71
Aroclor-1260 {3}	20817009	22565653	16443758	19337986	18446947	19522271	11.90
Aroclor-1260 {4}	9537854	10085271	8006639	8653817	8563121	8969340	9.26
Aroclor-1260 {5}	4245930	3960280	3860133	3612861	3348799	3805600	8.97
Average %RSD							8.68

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/29/2013

Instrument ID: GC-R
GC Column (2nd): DB-1701P

Data File: R7060.C R7059.C R7058.C R7057.C R7056.C

Compound	RT OF STANDARDS					MEAN RT	RT WI N DOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	4.22	4.22	4.22	4.22	4.22	4.22	4.15	4.29
Aroclor-1016 {2}	4.83	4.83	4.83	4.83	4.83	4.83	4.76	4.90
Aroclor-1016 {3}	5.61	5.61	5.61	5.61	5.61	5.61	5.54	5.68
Aroclor-1016 {4}	5.82	5.82	5.82	5.82	5.82	5.82	5.75	5.89
Aroclor-1016 {5}	6.00	6.00	6.00	5.99	6.00	6.00	5.93	6.07
Aroclor-1221			2.84				2.77	2.91
Aroclor-1221 {2}			3.89				3.82	3.96
Aroclor-1221 {3}			4.13				4.06	4.20
Aroclor-1221 {4}			4.23				4.16	4.30
Aroclor-1221 {5}			5.61				5.54	5.68
Aroclor-1232			4.22				4.15	4.29
Aroclor-1232 {2}			5.23				5.16	5.30
Aroclor-1232 {3}			5.82				5.75	5.89
Aroclor-1232 {4}			6.00				5.93	6.07
Aroclor-1232 {5}			6.60				6.53	6.67
Aroclor-1242			5.23				5.16	5.30
Aroclor-1242 {2}			6.00				5.93	6.07
Aroclor-1242 {3}			6.60				6.53	6.67
Aroclor-1242 {4}			6.76				6.69	6.83
Aroclor-1242 {5}			7.33				7.26	7.40
Aroclor-1248			5.61				5.53	5.69
Aroclor-1248 {2}			6.20				6.12	6.28
Aroclor-1248 {3}			6.60				6.52	6.68
Aroclor-1248 {4}			6.76				6.68	6.84
Aroclor-1248 {5}			7.12				7.04	7.20
Aroclor-1254			7.61				7.53	7.69
Aroclor-1254 {2}			8.21				8.13	8.29
Aroclor-1254 {3}			8.65				8.56	8.74
Aroclor-1254 {4}			8.84				8.75	8.93
Aroclor-1254 {5}			9.66				9.57	9.75
Aroclor-1260	8.65	8.65	8.64	8.64	8.64	8.65	7.75	9.55
Aroclor-1260 {2}	9.06	9.06	9.06	9.06	9.06	9.06	8.16	9.96
Aroclor-1260 {3}	10.26	10.25	10.25	10.25	10.25	10.25	9.35	11.15
Aroclor-1260 {4}	10.77	10.77	10.76	10.76	10.76	10.76	9.86	11.66
Aroclor-1260 {5}	11.36	11.36	11.36	11.36	11.36	11.36	10.46	12.26

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/29/2013

Instrument ID: GC-R
 GC Column (2nd): DB-1701P

Data File: R7060.C R7059.C R7058.C R7057.C R7056.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	6783184	6629098	6452230	6181235	5829675	6375084	5.93
Aroclor-1016 {2}	14984971	15565204	13241462	12677047	11800797	13653896	11.57
Aroclor-1016 {3}	31006254	32858609	29791965	28840022	27693943	30038159	6.63
Aroclor-1016 {4}	12332501	14225277	12313757	11133205	11333377	12267623	9.98
Aroclor-1016 {5}	9785516	10951432	9547537	9220148	9028660	9706659	7.77
Aroclor-1221			3575646				
Aroclor-1221 {2}			4846609				
Aroclor-1221 {3}			3266500				
Aroclor-1221 {4}			12075970				
Aroclor-1221 {5}			2331094				
Aroclor-1232			8097037				
Aroclor-1232 {2}			3177572				
Aroclor-1232 {3}			5433614				
Aroclor-1232 {4}			4922116				
Aroclor-1232 {5}			6901603				
Aroclor-1242			5393898				
Aroclor-1242 {2}			8867318				
Aroclor-1242 {3}			11719124				
Aroclor-1242 {4}			9892850				
Aroclor-1242 {5}			18113341				
Aroclor-1248			17501495				
Aroclor-1248 {2}			26470837				
Aroclor-1248 {3}			18613187				
Aroclor-1248 {4}			17184580				
Aroclor-1248 {5}			8887259				
Aroclor-1254			23068028				
Aroclor-1254 {2}			18226763				
Aroclor-1254 {3}			11487300				
Aroclor-1254 {4}			15650069				
Aroclor-1254 {5}			23154161				
Aroclor-1260	16576022	16839255	14407269	14043920	13069264	14987146	10.99
Aroclor-1260 {2}	17256639	16754820	16313669	14503785	13822333	15730249	9.46
Aroclor-1260 {3}	11842488	11870056	11449494	11103628	8820781	11017290	11.51
Aroclor-1260 {4}	23941842	25259036	23733523	23543009	17841980	22863878	12.63
Aroclor-1260 {5}	18760538	16138368	16150547	16246228	14250662	16309269	9.84
Average %RSD							9.63

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/29/2013

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R7060.D R7059.D R7058.D R7057.D R7056.D

Compound	RT OF STANDARDS					MEAN RT	RT WI N D O W	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			9.53				8.63	8.63
Aroclor-1262 {2}			10.32				9.42	9.42
Aroclor-1262 {3}			10.96				10.06	10.06
Aroclor-1262 {4}			11.05				10.05	10.05
Aroclor-1262 {5}			11.89				10.89	10.89
Aroclor-1268			10.96				9.96	9.96
Aroclor-1268 {2}			11.05				9.95	9.95
Aroclor-1268 {3}			11.52				10.42	10.42
Aroclor-1268 {4}			11.65				10.55	10.55
Aroclor-1268 {5}			12.50				11.40	11.40

GC Column (2nd): DB-1701P

Data File: R7060.C R7059.C R7058.C R7057.C R7056.C

Compound	RT OF STANDARDS					MEAN RT	RT WI N D O W	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			10.25				9.35	9.35
Aroclor-1262 {2}			10.77				9.87	9.87
Aroclor-1262 {3}			11.26				10.36	10.36
Aroclor-1262 {4}			11.36				10.36	10.36
Aroclor-1262 {5}			11.96				10.96	10.96
Aroclor-1268			11.26				10.26	10.26
Aroclor-1268 {2}			11.35				10.25	10.25
Aroclor-1268 {3}			11.60				10.50	10.50
Aroclor-1268 {4}			11.75				10.65	10.65
Aroclor-1268 {5}			12.83				11.73	11.73

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/29/2013

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R7060.D R7059.D R7058.D R7057.D R7056.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			8107352				
Aroclor-1262 {2}			26320186				
Aroclor-1262 {3}			9185845				
Aroclor-1262 {4}			10904955				
Aroclor-1262 {5}			6620226				
Aroclor-1268			32404830				
Aroclor-1268 {2}			36920759				
Aroclor-1268 {3}			25288559				
Aroclor-1268 {4}			7064692				
Aroclor-1268 {5}			63047817				

GC Column (2nd): DB-1701P

Data File: R7060.C R7059.C R7058.C R7057.C R7056.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			18039704				
Aroclor-1262 {2}			38724861				
Aroclor-1262 {3}			11336955				
Aroclor-1262 {4}			24541073				
Aroclor-1262 {5}			4291767				
Aroclor-1268			39886503				
Aroclor-1268 {2}			43429770				
Aroclor-1268 {3}			32797875				
Aroclor-1268 {4}			8116974				
Aroclor-1268 {5}			95946238				

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/29/2013 Instrument ID: GC-R

Data File: R7091.D GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.89	3.82	3.96	4961386	4742747	4.41
Aroclor-1016 {2}	4.79	4.71	4.85	6751532	6449865	4.47
Aroclor-1016 {3}	5.37	5.30	5.44	9109861	8709531	4.39
Aroclor-1016 {4}	5.90	5.82	5.96	4747500	4359421	8.17
Aroclor-1016 {5}	6.31	6.24	6.38	7115592	6704337	5.78
Aroclor-1260	9.17	8.26	10.06	18478177	16339998	11.57
Aroclor-1260 {2}	9.84	8.94	10.74	8257832	6876603	16.73
Aroclor-1260 {3}	10.33	9.42	11.22	19522271	17094465	12.44
Aroclor-1260 {4}	10.82	9.92	11.72	8969340	7933256	11.55
Aroclor-1260 {5}	11.89	10.99	12.79	3805600	3249133	14.62

Data File: R7091.C GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	4.22	4.15	4.29	6375084	6534434	2.50
Aroclor-1016 {2}	4.84	4.76	4.90	13653896	13313103	2.50
Aroclor-1016 {3}	5.61	5.54	5.68	30038159	29664665	1.24
Aroclor-1016 {4}	5.82	5.75	5.89	12267623	12258638	0.07
Aroclor-1016 {5}	6.00	5.93	6.07	9706659	9504607	2.08
Aroclor-1260	8.65	7.75	9.55	14987146	13910195	7.19
Aroclor-1260 {2}	9.06	8.16	9.96	15730249	15400050	2.10
Aroclor-1260 {3}	10.26	9.35	11.15	11017290	10839633	1.61
Aroclor-1260 {4}	10.77	9.86	11.66	22863878	23642198	3.40
Aroclor-1260 {5}	11.36	10.46	12.26	16309269	15872974	2.68

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/30/2013 Instrument ID: GC-R

Data File: R7116.D GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.89	3.82	3.96	4961386	5235295	5.52
Aroclor-1016 {2}	4.79	4.71	4.85	6751532	6587758	2.43
Aroclor-1016 {3}	5.37	5.30	5.44	9109861	9690230	6.37
Aroclor-1016 {4}	5.90	5.82	5.96	4747500	4833848	1.82
Aroclor-1016 {5}	6.31	6.24	6.38	7115592	7554032	6.16
Aroclor-1260	9.16	8.26	10.06	18478177	19580024	5.96
Aroclor-1260 {2}	9.84	8.94	10.74	8257832	8465804	2.52
Aroclor-1260 {3}	10.33	9.42	11.22	19522271	20723177	6.15
Aroclor-1260 {4}	10.82	9.92	11.72	8969340	8726971	2.70
Aroclor-1260 {5}	11.89	10.99	12.79	3805600	3667323	3.63

Data File: R7116.C GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	4.22	4.15	4.29	6375084	6921784	8.58
Aroclor-1016 {2}	4.84	4.76	4.90	13653896	13793780	1.02
Aroclor-1016 {3}	5.61	5.54	5.68	30038159	30714498	2.25
Aroclor-1016 {4}	5.82	5.75	5.89	12267623	12058594	1.70
Aroclor-1016 {5}	6.00	5.93	6.07	9706659	9961366	2.62
Aroclor-1260	8.65	7.75	9.55	14987146	14782945	1.36
Aroclor-1260 {2}	9.06	8.16	9.96	15730249	14953965	4.93
Aroclor-1260 {3}	10.26	9.35	11.15	11017290	11340197	2.93
Aroclor-1260 {4}	10.77	9.86	11.66	22863878	23611755	3.27
Aroclor-1260 {5}	11.36	10.46	12.26	16309269	16264630	0.27

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/30/2013 Instrument ID: GC-R

Data File: R7117.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.89	3.82	3.96	4961386	4875169	1.74
Aroclor-1016 {2}	4.78	4.71	4.85	6751532	6298344	6.71
Aroclor-1016 {3}	5.37	5.30	5.44	9109861	8668126	4.85
Aroclor-1016 {4}	5.89	5.82	5.96	4747500	4330417	8.79
Aroclor-1016 {5}	6.31	6.24	6.38	7115592	6836361	3.92
Aroclor-1260	9.16	8.26	10.06	18478177	17291454	6.42
Aroclor-1260 {2}	9.84	8.94	10.74	8257832	7685325	6.93
Aroclor-1260 {3}	10.32	9.42	11.22	19522271	18672165	4.35
Aroclor-1260 {4}	10.81	9.92	11.72	8969340	8636126	3.72
Aroclor-1260 {5}	11.89	10.99	12.79	3805600	3422545	10.07

Data File: R7117.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	4.23	4.15	4.29	6375084	7061459	10.77
Aroclor-1016 {2}	4.85	4.76	4.90	13653896	15833595	15.96
Aroclor-1016 {3}	5.62	5.54	5.68	30038159	35034839	16.63
Aroclor-1016 {4}	5.83	5.75	5.89	12267623	13932051	13.57
Aroclor-1016 {5}	6.01	5.93	6.07	9706659	11474205	18.21
Aroclor-1260	8.66	7.75	9.55	14987146	16885836	12.67
Aroclor-1260 {2}	9.07	8.16	9.96	15730249	17356444	10.34
Aroclor-1260 {3}	10.26	9.35	11.15	11017290	13099544	18.90
Aroclor-1260 {4}	10.78	9.86	11.66	22863878	26856901	17.46
Aroclor-1260 {5}	11.37	10.46	12.26	16309269	18138781	11.22

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/30/2013 Instrument ID: GC-R

Data File: R7123.D GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.89	3.82	3.96	4961386	4488801	9.53
Aroclor-1016 {2}	4.78	4.71	4.85	6751532	5948071	11.90
Aroclor-1016 {3}	5.37	5.30	5.44	9109861	7915786	13.11
Aroclor-1016 {4}	5.90	5.82	5.96	4747500	4371699	7.92
Aroclor-1016 {5}	6.31	6.24	6.38	7115592	6850106	3.73
Aroclor-1260	9.17	8.26	10.06	18478177	15516024	16.03
Aroclor-1260 {2}	9.84	8.94	10.74	8257832	6801078	17.64
Aroclor-1260 {3}	10.33	9.42	11.22	19522271	16685363	14.53
Aroclor-1260 {4}	10.82	9.92	11.72	8969340	8264388	7.86
Aroclor-1260 {5}	11.89	10.99	12.79	3805600	3985945	4.74

Data File: R7123.C GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	4.22	4.15	4.29	6375084	7160455	12.32
Aroclor-1016 {2}	4.84	4.76	4.90	13653896	14441458	5.77
Aroclor-1016 {3}	5.61	5.54	5.68	30038159	32069677	6.76
Aroclor-1016 {4}	5.82	5.75	5.89	12267623	13152938	7.22
Aroclor-1016 {5}	6.00	5.93	6.07	9706659	10353117	6.66
Aroclor-1260	8.65	7.75	9.55	14987146	15978782	6.62
Aroclor-1260 {2}	9.06	8.16	9.96	15730249	16738345	6.41
Aroclor-1260 {3}	10.26	9.35	11.15	11017290	11910633	8.11
Aroclor-1260 {4}	10.77	9.86	11.66	22863878	25390614	11.05
Aroclor-1260 {5}	11.37	10.46	12.26	16309269	17439150	6.93

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/29/2013 Instrument ID: GC-R

Data File: R7069.D GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.89	3.82	3.96	4961386	5152201	3.85
Aroclor-1016 {2}	4.78	4.71	4.85	6751532	6643167	1.61
Aroclor-1016 {3}	5.37	5.30	5.44	9109861	9543656	4.76
Aroclor-1016 {4}	5.89	5.82	5.96	4747500	4898219	3.17
Aroclor-1016 {5}	6.31	6.24	6.38	7115592	7541404	5.98
Aroclor-1260	9.16	8.26	10.06	18478177	20681711	11.93
Aroclor-1260 {2}	9.84	8.94	10.74	8257832	9047855	9.57
Aroclor-1260 {3}	10.33	9.42	11.22	19522271	21676315	11.03
Aroclor-1260 {4}	10.82	9.92	11.72	8969340	9559474	6.58
Aroclor-1260 {5}	11.89	10.99	12.79	3805600	4024238	5.75

Data File: R7069.C GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	4.23	4.15	4.29	6375084	6992321	9.68
Aroclor-1016 {2}	4.84	4.76	4.90	13653896	14230457	4.22
Aroclor-1016 {3}	5.62	5.54	5.68	30038159	31546955	5.02
Aroclor-1016 {4}	5.83	5.75	5.89	12267623	12723691	3.72
Aroclor-1016 {5}	6.01	5.93	6.07	9706659	10225719	5.35
Aroclor-1260	8.65	7.75	9.55	14987146	15265211	1.86
Aroclor-1260 {2}	9.07	8.16	9.96	15730249	16132448	2.56
Aroclor-1260 {3}	10.26	9.35	11.15	11017290	11975224	8.69
Aroclor-1260 {4}	10.77	9.86	11.66	22863878	25521125	11.62
Aroclor-1260 {5}	11.37	10.46	12.26	16309269	17133335	5.05

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/29/2013 Instrument ID: GC-R

Data File: R7090.D GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.89	3.82	3.96	4961386	4830460	2.64
Aroclor-1016 {2}	4.78	4.71	4.85	6751532	6250307	7.42
Aroclor-1016 {3}	5.37	5.30	5.44	9109861	8618047	5.40
Aroclor-1016 {4}	5.90	5.82	5.96	4747500	4200724	11.52
Aroclor-1016 {5}	6.31	6.24	6.38	7115592	6448596	9.37
Aroclor-1260	9.16	8.26	10.06	18478177	15265172	17.39
Aroclor-1260 {2}	9.84	8.94	10.74	8257832	6866515	16.85
Aroclor-1260 {3}	10.33	9.42	11.22	19522271	16320376	16.40
Aroclor-1260 {4}	10.82	9.92	11.72	8969340	7894868	11.98
Aroclor-1260 {5}	11.89	10.99	12.79	3805600	3798668	0.18

Data File: R7090.C GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	4.22	4.15	4.29	6375084	6757669	6.00
Aroclor-1016 {2}	4.84	4.76	4.90	13653896	13604022	0.37
Aroclor-1016 {3}	5.61	5.54	5.68	30038159	30293034	0.85
Aroclor-1016 {4}	5.82	5.75	5.89	12267623	12116105	1.24
Aroclor-1016 {5}	6.00	5.93	6.07	9706659	9721396	0.15
Aroclor-1260	8.65	7.75	9.55	14987146	13414158	10.50
Aroclor-1260 {2}	9.06	8.16	9.96	15730249	14268122	9.30
Aroclor-1260 {3}	10.26	9.35	11.15	11017290	10135428	8.00
Aroclor-1260 {4}	10.77	9.86	11.66	22863878	21831520	4.52
Aroclor-1260 {5}	11.36	10.46	12.26	16309269	14852736	8.93

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/30/2013 Instrument ID: GC-R

Data File: R7117.D GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.89	3.82	3.96	4961386	4875169	1.74
Aroclor-1016 {2}	4.78	4.71	4.85	6751532	6298344	6.71
Aroclor-1016 {3}	5.37	5.30	5.44	9109861	8668126	4.85
Aroclor-1016 {4}	5.89	5.82	5.96	4747500	4330417	8.79
Aroclor-1016 {5}	6.31	6.24	6.38	7115592	6836361	3.92
Aroclor-1260	9.16	8.26	10.06	18478177	17291454	6.42
Aroclor-1260 {2}	9.84	8.94	10.74	8257832	7685325	6.93
Aroclor-1260 {3}	10.32	9.42	11.22	19522271	18672165	4.35
Aroclor-1260 {4}	10.81	9.92	11.72	8969340	8636126	3.72
Aroclor-1260 {5}	11.89	10.99	12.79	3805600	3422545	10.07

Data File: R7117.C GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	4.23	4.15	4.29	6375084	7061459	10.77
Aroclor-1016 {2}	4.85	4.76	4.90	13653896	15833595	15.96
Aroclor-1016 {3}	5.62	5.54	5.68	30038159	35034839	16.63
Aroclor-1016 {4}	5.83	5.75	5.89	12267623	13932051	13.57
Aroclor-1016 {5}	6.01	5.93	6.07	9706659	11474205	18.21
Aroclor-1260	8.66	7.75	9.55	14987146	16885836	12.67
Aroclor-1260 {2}	9.07	8.16	9.96	15730249	17356444	10.34
Aroclor-1260 {3}	10.26	9.35	11.15	11017290	13099544	18.90
Aroclor-1260 {4}	10.78	9.86	11.66	22863878	26856901	17.46
Aroclor-1260 {5}	11.37	10.46	12.26	16309269	18138781	11.22

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/30/2013 Instrument ID: GC-R

Data File: R7123.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.89	3.82	3.96	4961386	4488801	9.53
Aroclor-1016 {2}	4.78	4.71	4.85	6751532	5948071	11.90
Aroclor-1016 {3}	5.37	5.30	5.44	9109861	7915786	13.11
Aroclor-1016 {4}	5.90	5.82	5.96	4747500	4371699	7.92
Aroclor-1016 {5}	6.31	6.24	6.38	7115592	6850106	3.73
Aroclor-1260	9.17	8.26	10.06	18478177	15516024	16.03
Aroclor-1260 {2}	9.84	8.94	10.74	8257832	6801078	17.64
Aroclor-1260 {3}	10.33	9.42	11.22	19522271	16685363	14.53
Aroclor-1260 {4}	10.82	9.92	11.72	8969340	8264388	7.86
Aroclor-1260 {5}	11.89	10.99	12.79	3805600	3985945	4.74

Data File: R7123.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	4.22	4.15	4.29	6375084	7160455	12.32
Aroclor-1016 {2}	4.84	4.76	4.90	13653896	14441458	5.77
Aroclor-1016 {3}	5.61	5.54	5.68	30038159	32069677	6.76
Aroclor-1016 {4}	5.82	5.75	5.89	12267623	13152938	7.22
Aroclor-1016 {5}	6.00	5.93	6.07	9706659	10353117	6.66
Aroclor-1260	8.65	7.75	9.55	14987146	15978782	6.62
Aroclor-1260 {2}	9.06	8.16	9.96	15730249	16738345	6.41
Aroclor-1260 {3}	10.26	9.35	11.15	11017290	11910633	8.11
Aroclor-1260 {4}	10.77	9.86	11.66	22863878	25390614	11.05
Aroclor-1260 {5}	11.37	10.46	12.26	16309269	17439150	6.93

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-R

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1 3.38 DCB 1 12.99 TCMX 2 3.34 DCB 2 13.09

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1		DCB 1		TCMX 2		DCB 2	
				RT	#	RT	#	RT	#	RT	#
PCB	BLKA130116-05	01/16/2013	12:54	3.38		12.99		3.34		13.09	
FIELD_BLAN	00268-031	01/16/2013	13:12	3.39		12.99		3.33		13.08	
FRAC-1	00374-001	01/16/2013	13:29	3.39		12.99		3.33		13.08	
PCB	00374-001MS	01/16/2013	13:46	3.39		12.99		3.33		13.08	
PCB	00374-001MSD	01/16/2013	14:04	3.39		12.99		3.33		13.08	
PCB	LCSA130116-05	01/16/2013	14:21	3.39		12.99		3.33		13.08	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene (± 0.10 Minutes)

DCB = Decachlorobiphenyl (± 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-Y

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1 2.80 DCB 1 12.07 TCMX 2 2.88 DCB 2 12.42

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1		DCB 1		TCMX 2		DCB 2	
				RT	#	RT	#	RT	#	RT	#
PCB	BLKA130124-06	01/26/2013	17:36	2.80		12.07		2.88		12.42	
MW-12RR	00538-005	01/26/2013	17:54	2.80		12.07		2.88		12.42	
FB	00538-011	01/26/2013	18:11	2.80		12.07		2.88		12.42	
EFFLUENT	00581-001	01/26/2013	18:28	2.80		12.07		2.88		12.42	
MW-11RR	00538-006	01/26/2013	18:45	2.80		12.07		2.88		12.42	
FB-57	00569-017	01/26/2013	19:02	2.80		12.07		2.88		12.42	
FB-58	00627-025	01/26/2013	19:19	2.80		12.07		2.88		12.42	
FB-59	00646-025	01/26/2013	19:36	2.80		12.07		2.88		12.42	
F-TANK	00622-006	01/26/2013	19:54	2.80		12.07		2.88		12.42	
FB_011813	00578-002	01/26/2013	20:11	2.80		12.07		2.88		12.42	
PCB	LCSA130124-06	01/28/2013	10:56	2.79		12.06		2.88		12.43	

Surrogate QC Limits

TCMX = Tetrachloro-*m*-xylene (± 0.10 Minutes)

DCB = Decachlorobiphenyl (± 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-R

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1 3.39 DCB 1 12.99 TCMX 2 3.33 DCB 2 13.06

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT #	DCB 1 RT #	TCMX 2 RT #	DCB 2 RT #
PCB	BLKS130128-03	01/29/2013	22:45	3.39	12.99	3.33	13.06
WH-61-DEL-	00710-011	01/29/2013	23:03	3.39	12.98	3.33	13.06
WH-61-DEL-	00710-012	01/29/2013	23:20	3.39	12.99	3.33	13.06
FF-40_(2.0	00627-023	01/29/2013	23:38	3.39	12.99	3.34	13.06
FF-40_(3.0	00627-024	01/29/2013	23:55	3.39	12.99	3.33	13.05
EE-42(0-1.	00646-001	01/30/2013	00:12	3.39	12.99	3.34	13.06
EE-42(1.0-	00646-002	01/30/2013	00:30	3.39	12.99	3.34	13.06
EE-42(2.0-	00646-003	01/30/2013	00:47	3.39	12.98	3.34	13.06
EE-42(3.0-	00646-004	01/30/2013	01:05	3.39	12.99	3.33	13.06
DD-41(R)(1	00646-006	01/30/2013	01:40	3.39	12.98	3.34	13.05
DD-41(R)(2	00646-007	01/30/2013	01:57	3.39	12.99	3.34	13.06
DD-41(R)(3	00646-008	01/30/2013	02:15	3.39	12.99	3.33	13.06
FF-39(0-1.	00646-009	01/30/2013	02:32	3.39	12.99	3.34	13.05
FF-39(1.0-	00646-010	01/30/2013	02:49	3.39	12.98	3.34	13.06
FF-39(2.0-	00646-011	01/30/2013	03:07	3.39	12.99	3.33	13.06
FF-39(3.0-	00646-012	01/30/2013	03:24	3.39	12.99	3.33	13.06
FF-38(0-1.	00646-013	01/30/2013	03:42	3.39	12.99	3.33	13.06
FF-38(1.0-	00646-014	01/30/2013	03:59	3.39	12.98	3.33	13.06
FF-38(2.0-	00646-015	01/30/2013	04:16	3.39	12.99	3.33	13.06
FF-38(3.0-	00646-016	01/30/2013	04:34	3.39	12.99	3.33	13.06
PCB	00646-016MS	01/30/2013	04:51	3.39	12.99	3.33	13.06
PCB	00646-016MSD	01/30/2013	05:09	3.39	12.99	3.33	13.06
PCB	LCSS130128-03	01/30/2013	05:26	3.39	12.99	3.33	13.06
DD-41(R)(0	00646-005	01/30/2013	12:16	3.39	12.99	3.34	13.07

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene (± 0.10 Minutes)

DCB = Decachlorobiphenyl (± 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-R

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1 3.39 DCB 1 12.99 TCMX 2 3.33 DCB 2 13.06

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1		DCB 1		TCMX 2		DCB 2	
				RT	#	RT	#	RT	#	RT	#
PCB	BLKS130129-05	01/29/2013	15:46	3.39		12.99		3.33		13.06	
P10-ASB-1	00786-007	01/29/2013	16:05	3.39		12.98		3.33		13.06	
WASTE_CLAS	00769-001	01/29/2013	16:22	3.39		12.98		3.33		13.05	
PCB	00769-001MS	01/29/2013	16:40	3.39		12.98		3.32		13.05	
PCB	00769-001MSD	01/29/2013	16:57	3.39		12.98		3.33		13.05	
PCB	LCSS130129-05	01/29/2013	17:15	3.39		12.99		3.33		13.06	
SS-1/4-4.5	00476-001	01/29/2013	17:50	3.39		12.98		3.33		13.05	
CC-42(R)(1)	00646-018	01/29/2013	18:25	3.39		12.99		3.34		13.06	
CC-42(R)(2)	00646-019	01/29/2013	18:42	3.39		12.99		3.34		13.06	
CC-42(R)(3)	00646-020	01/29/2013	18:59	3.39		12.99		3.33		13.06	
CC-41(R)(1)	00646-022	01/29/2013	19:34	3.39		12.98		3.34		13.05	
CC-41(R)(2)	00646-023	01/29/2013	19:52	3.39		12.99		3.33		13.05	
CC-41(R)(3)	00646-024	01/29/2013	20:09	3.39		12.99		3.33		13.06	
S-7	00592-001	01/29/2013	20:26	3.39		12.98		3.33		13.05	
S-6	00592-002	01/29/2013	20:44	3.39		12.98		3.33		13.05	
WOPE-7/5	00566-002	01/29/2013	21:01	3.39		12.98		3.33		13.05	
WO-BASE/9	00566-003	01/29/2013	21:18	3.39		12.98		3.32		13.06	
CC-42(R)(0)	00646-017	01/30/2013	10:15	3.39		12.99		3.33		13.06	
CC-41(R)(0)	00646-021	01/30/2013	10:33	3.39		12.98		3.33		13.06	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene (± 0.10 Minutes)

DCB = Decachlorobiphenyl (± 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB SAMPLE DATA

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7097.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 30 Jan 2013 00:12
 Operator : JS
 Sample : EE-42(0-1.,00646-001,S,5.14g,88.7,01/28/13,4
 Misc : 130128-03,01/22/13,01/22/13,1
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 30 16:44:30 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

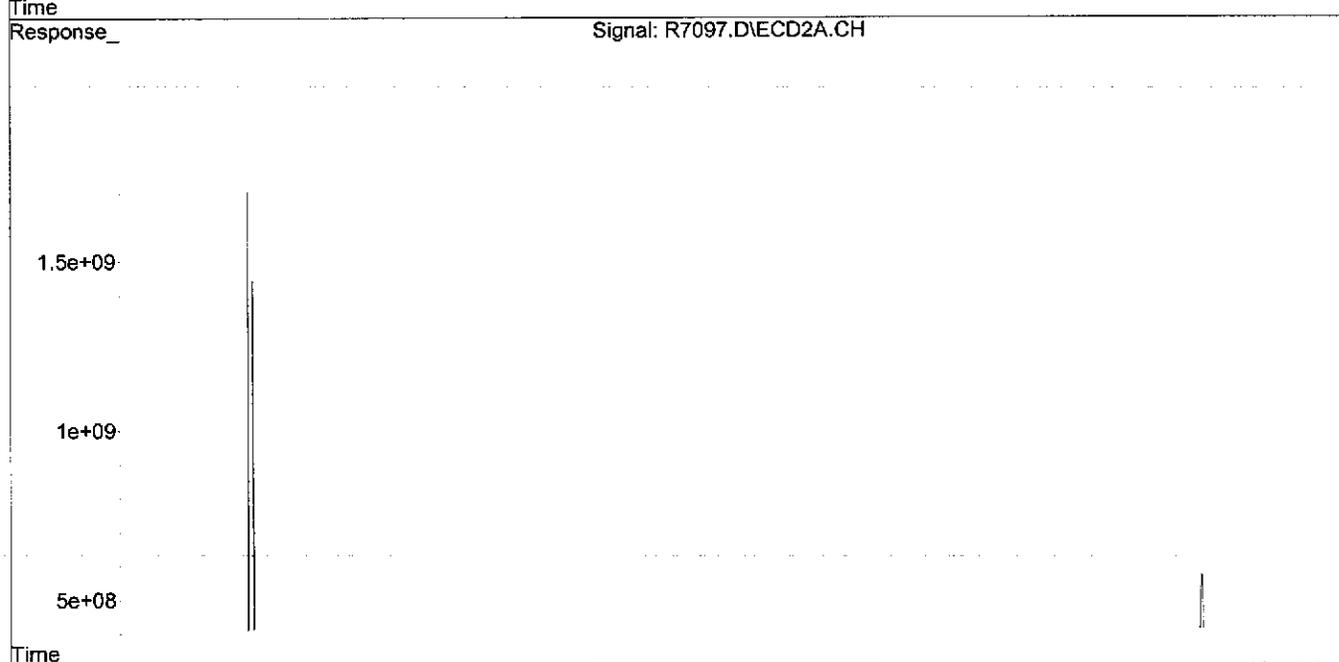
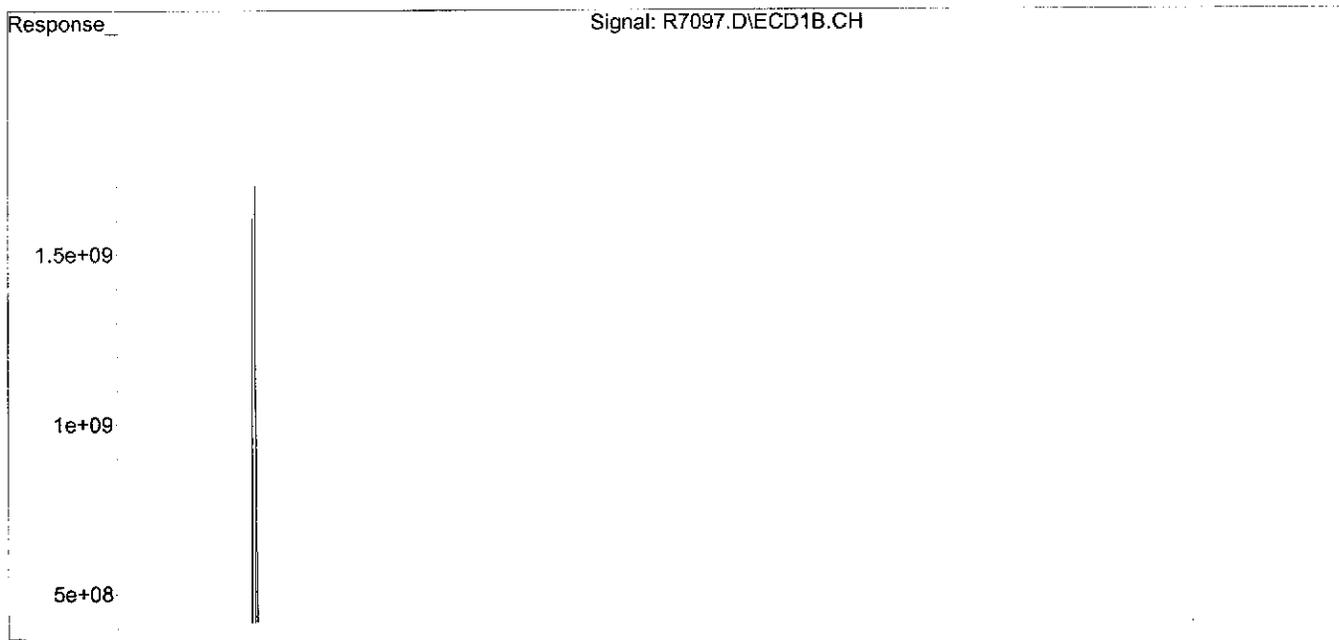
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.39	3.34	60547.5E6	79982.2E6	238.379	240.718
Spiked Amount	200.000			Recovery	= 119.19%	120.36%
2) S DCB	12.99	13.06	11629.9E6	15698.6E6	269.977	299.681m
Spiked Amount	200.000			Recovery	= 134.99%	149.84%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.78	5.23	170.1E6	110.2E6	31.155m	20.422m#
19) L5 Aroclor-1242 {2}	5.77	6.00	148.3E6	232.3E6	41.953m	26.195 #
20) L5 Aroclor-1242 {3}	0.00	6.60	0	489.5E6	N.D. d	41.773m#
21) L5 Aroclor-1242 {4}	6.83	6.76	136.4E6	277.6E6	13.643m	28.064m#
Sum Aroclor-1242			454.8E6	1109.6E6	86.751	116.453
Average Aroclor-1242					28.917	29.113
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

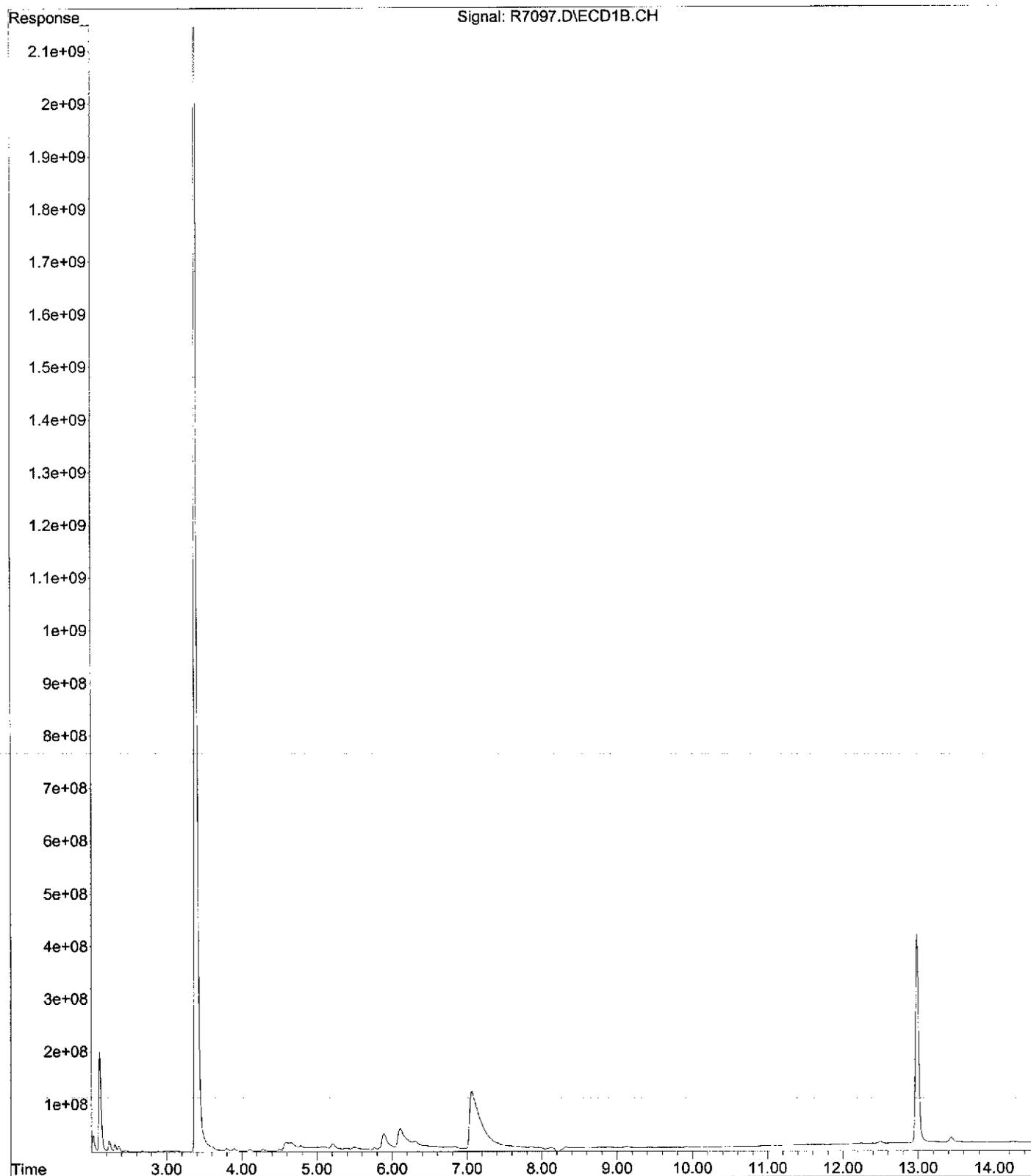
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Data File : R7097.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jan 2013 00:12
Operator : JS
Sample : EE-42(0-1.,00646-001,S,5.14g,88.7,01/28/13,4
Misc : 130128-03,01/22/13,01/22/13,1
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 30 16:44:30 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
Quant Title :
QLast Update : Tue Jan 29 15:58:03 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

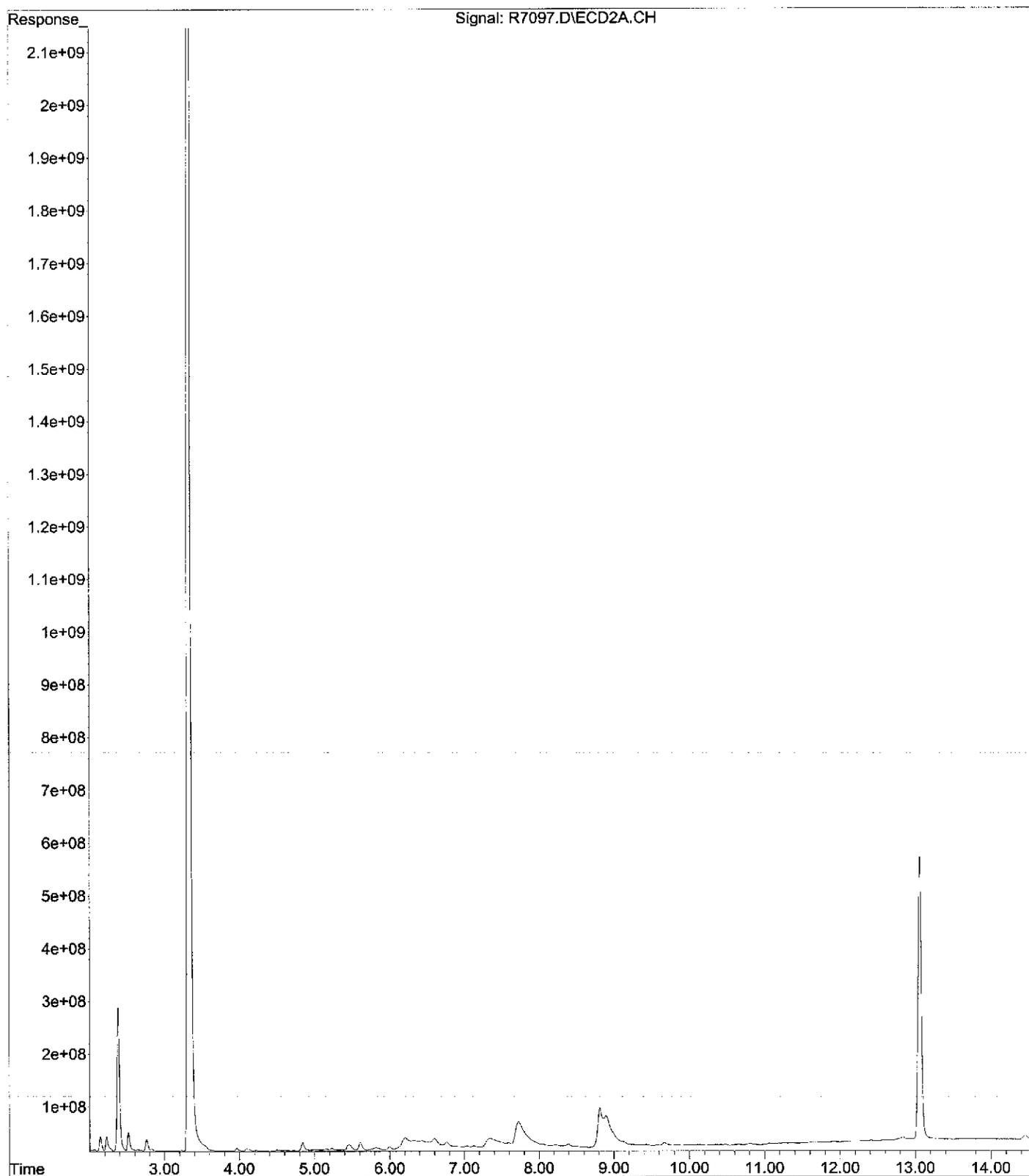
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



File : C:\MSDCHEM\1\DATA\01-29-13\R7097.D
Operator : JS
Acquired : 30 Jan 2013 00:12 using AcqMethod RPCB0129.M
Instrument : GC R
Sample Name: EE-42(0-1.,00646-001,S,5.14g,88.7,01/28/13,4
Misc Info : 130128-03,01/22/13,01/22/13,1
Vial Number: 26



File : C:\MSDCHEM\1\DATA\01-29-13\R7097.D
Operator : JS
Acquired : 30 Jan 2013 00:12 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: EE-42(0-1.,00646-001,S,5.14g,88.7,01/28/13,4
Misc Info : 130128-03,01/22/13,01/22/13,1
Vial Number: 26



Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7098.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 30 Jan 2013 00:30
 Operator : JS
 Sample : EE-42(1.0-,00646-002,S,5.49g,86.8,01/28/13,4
 Misc : 130128-03,01/22/13,01/22/13,1
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 30 16:10:35 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

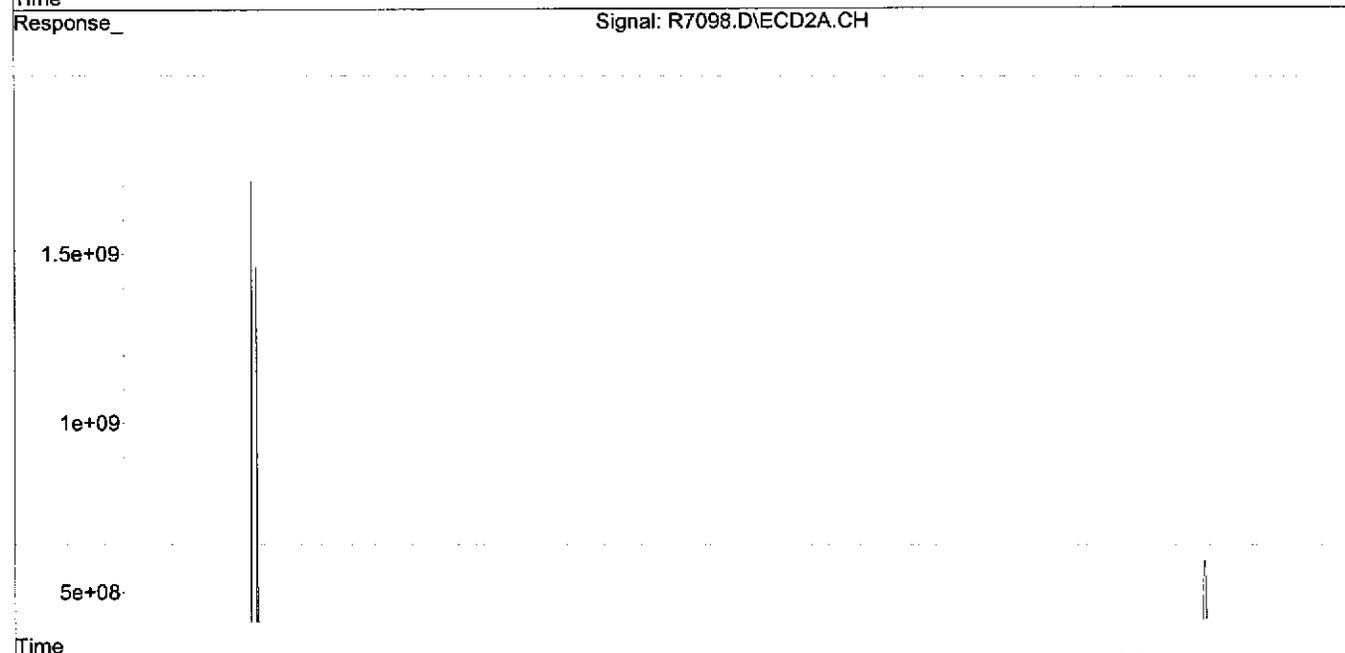
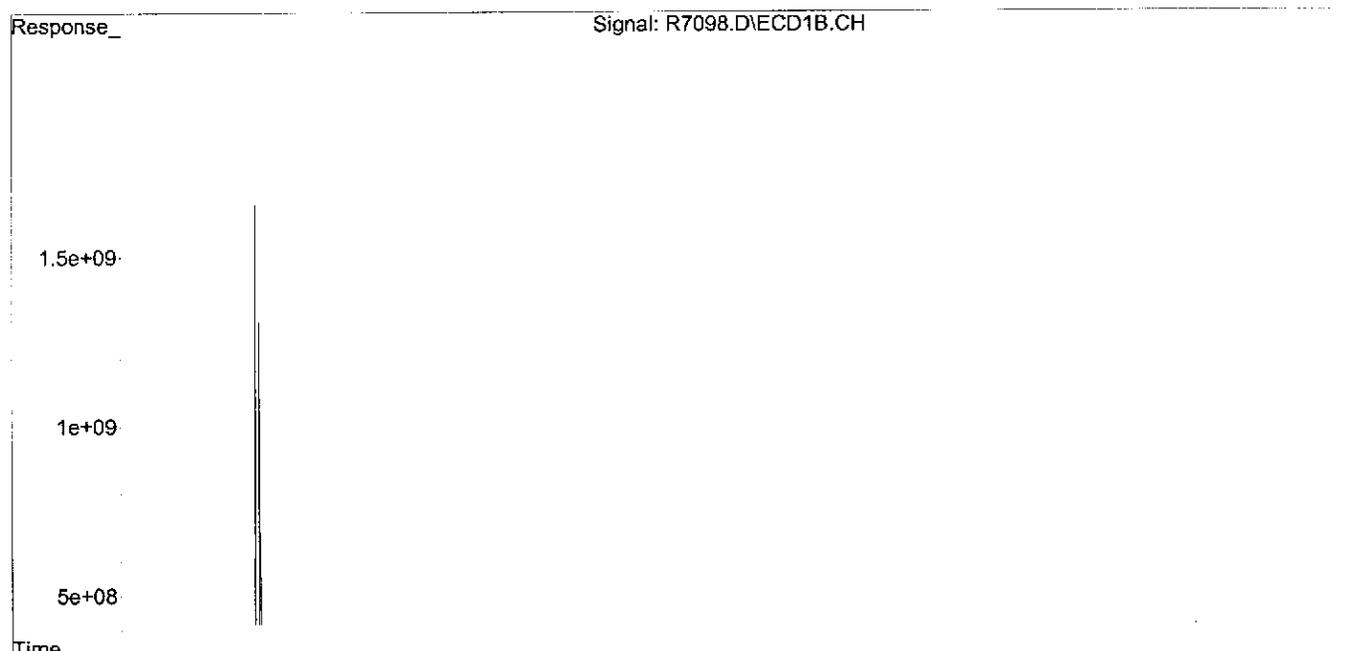
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.39	3.34	63426.4E6	80666.1E6	249.714	242.776
Spiked Amount	200.000			Recovery	= 124.86%	121.39%
2) S DCB	12.99	13.06	12196.5E6	15733.0E6	283.130	300.338m
Spiked Amount	200.000			Recovery	= 141.57%	150.17%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.78	5.23	1714.7E6	1358.2E6	314.103	251.797
19) L5 Aroclor-1242 {2}	5.77	6.00	1050.6E6	1541.8E6	297.193	173.872 #
20) L5 Aroclor-1242 {3}	6.10	6.60	1912.5E6	3622.4E6	411.279m	309.101
21) L5 Aroclor-1242 {4}	6.83	6.76	1658.3E6	2486.9E6	165.889	251.382 #
22) L5 Aroclor-1242 {5}	7.12	7.32	697.8E6	3700.8E6	102.761m	204.311 #
Sum Aroclor-1242			7033.9E6	12710.0E6	1291.225	1190.463
Average Aroclor-1242					258.245	238.093
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

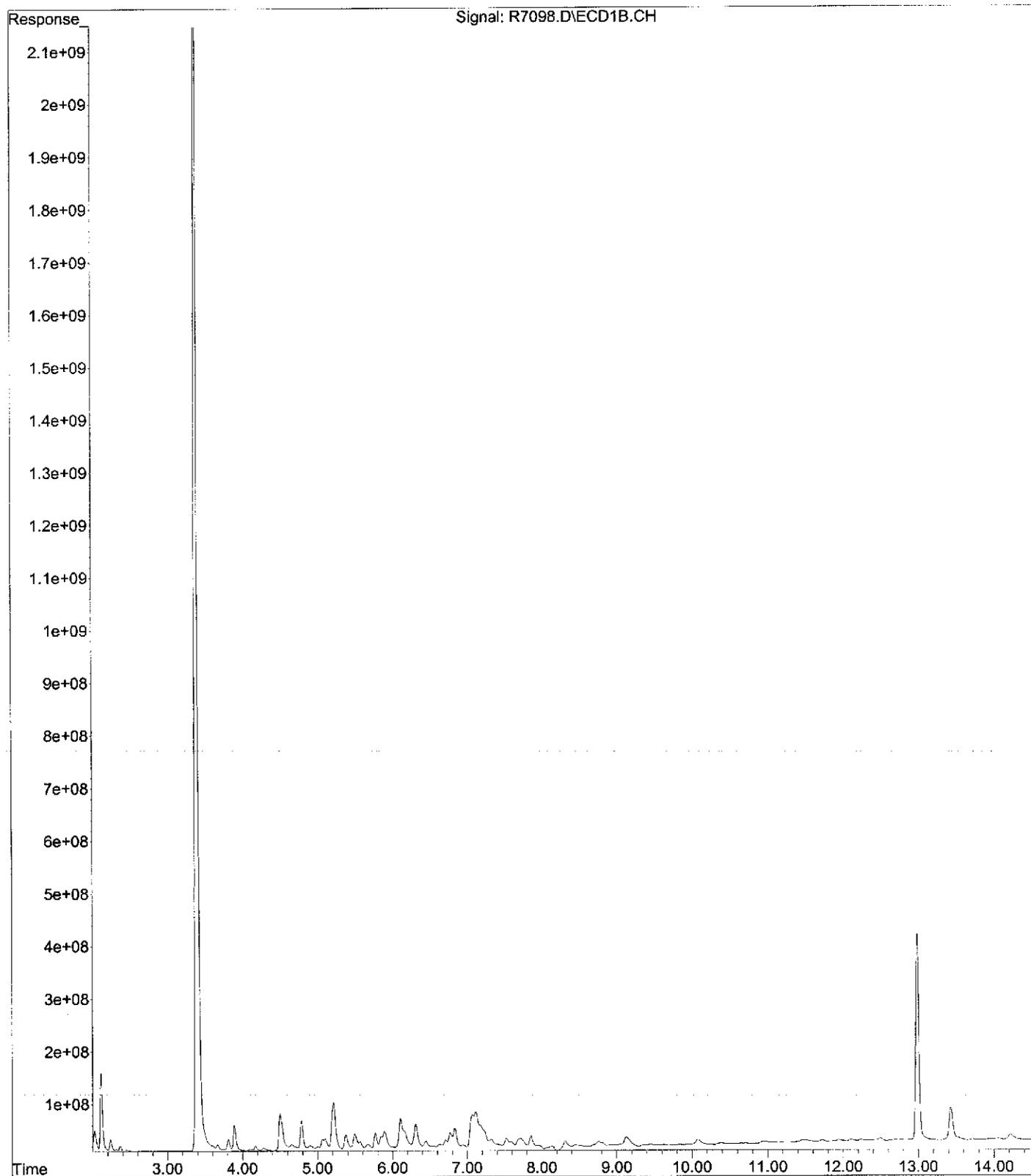
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Data File : R7098.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jan 2013 00:30
Operator : JS
Sample : EE-42(1.0-,00646-002,S,5.49g,86.8,01/28/13,4
Misc : 130128-03,01/22/13,01/22/13,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 30 16:10:35 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
Quant Title :
QLast Update : Tue Jan 29 15:58:03 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

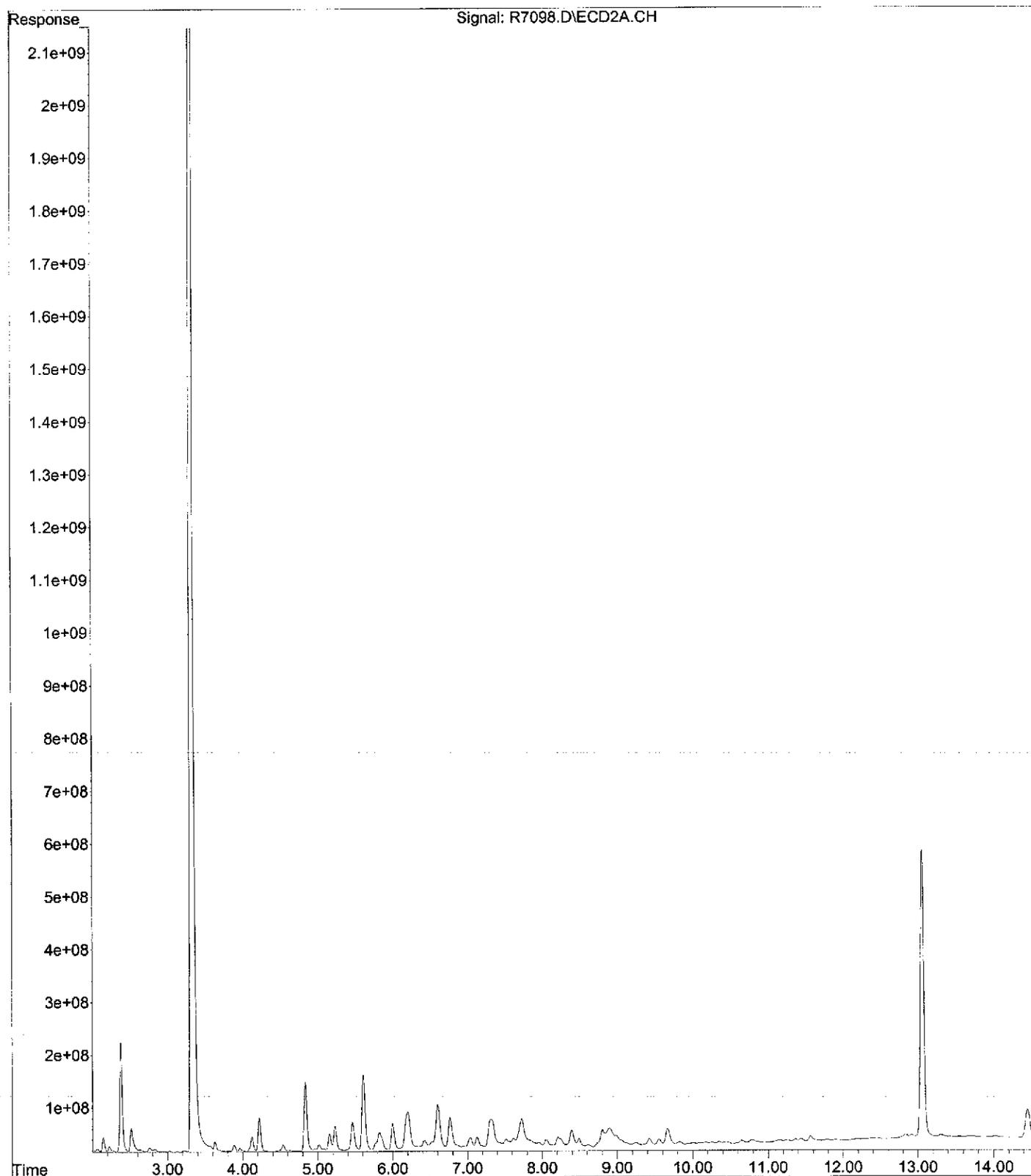
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



File : C:\MSDCHEM\1\DATA\01-29-13\R7098.D
Operator : JS
Acquired : 30 Jan 2013 00:30 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: EE-42(1.0-,00646-002,S,5.49g,86.8,01/28/13,4
Misc Info : 130128-03,01/22/13,01/22/13,1
Vial Number: 27



File :C:\MSDCHEM\1\DATA\01-29-13\R7098.D
Operator : JS
Acquired : 30 Jan 2013 00:30 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: EE-42(1.0-,00646-002,S,5.49g,86.8,01/28/13,4
Misc Info : 130128-03,01/22/13,01/22/13,1
Vial Number: 27



Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7099.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 30 Jan 2013 00:47
 Operator : JS
 Sample : EE-42(2.0-,00646-003,S,5.89g,81.3,01/28/13,4
 Misc : 130128-03,01/22/13,01/22/13,1
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 30 16:11:17 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.39	3.34	61399.2E6	77020.0E6	241.732	231.803
Spiked Amount	200.000		Recovery	=	120.87%	115.90%
2) S DCB	12.98	13.06	10226.1E6	15417.9E6	237.389	294.323m
Spiked Amount	200.000		Recovery	=	118.69%	147.16%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	5.21	5.61	8907.7E6	10017.6E6	723.750	572.387
24) L6 Aroclor-1248 {2}	5.77	6.17	11849.5E6	37840.6E6	1764.012	1429.519
25) L6 Aroclor-1248 {3}	6.10	6.60	18303.1E6	36822.9E6	2507.397	1978.324m
26) L6 Aroclor-1248 {4}	6.83	6.76	27212.9E6	14427.2E6	1726.124	839.545 #
27) L6 Aroclor-1248 {5}	7.11	7.12	15543.1E6	7359.9E6	1615.043m	828.142 #
Sum Aroclor-1248			81816.2E6	106468.3E6	8336.326	5647.918
Average Aroclor-1248					1667.265	1129.584
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	9.14	9.05f	6610.8E6	3929.7E6	361.607m	262.207m#
34) L8 Aroclor-1260 {2}	9.84	9.05	1179.2E6	6021.2E6	143.676	382.775 #
35) L8 Aroclor-1260 {3}	10.32	10.25	3379.2E6	3528.4E6	173.092	320.260m#
36) L8 Aroclor-1260 {4}	10.81	10.76	1908.7E6	4473.5E6	212.806	195.659m
37) L8 Aroclor-1260 {5}	11.88	11.36	951.2E6	2440.8E6	247.105	149.657m#
Sum Aroclor-1260			14029.2E6	20393.6E6	1138.286	1310.559
Average Aroclor-1260					227.657	262.112
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7099.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 30 Jan 2013 00:47
 Operator : JS
 Sample : EE-42(2.0-,00646-003,S,5.89g,81.3,01/28/13,4
 Misc : 130128-03,01/22/13,01/22/13,1
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 30 16:11:17 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

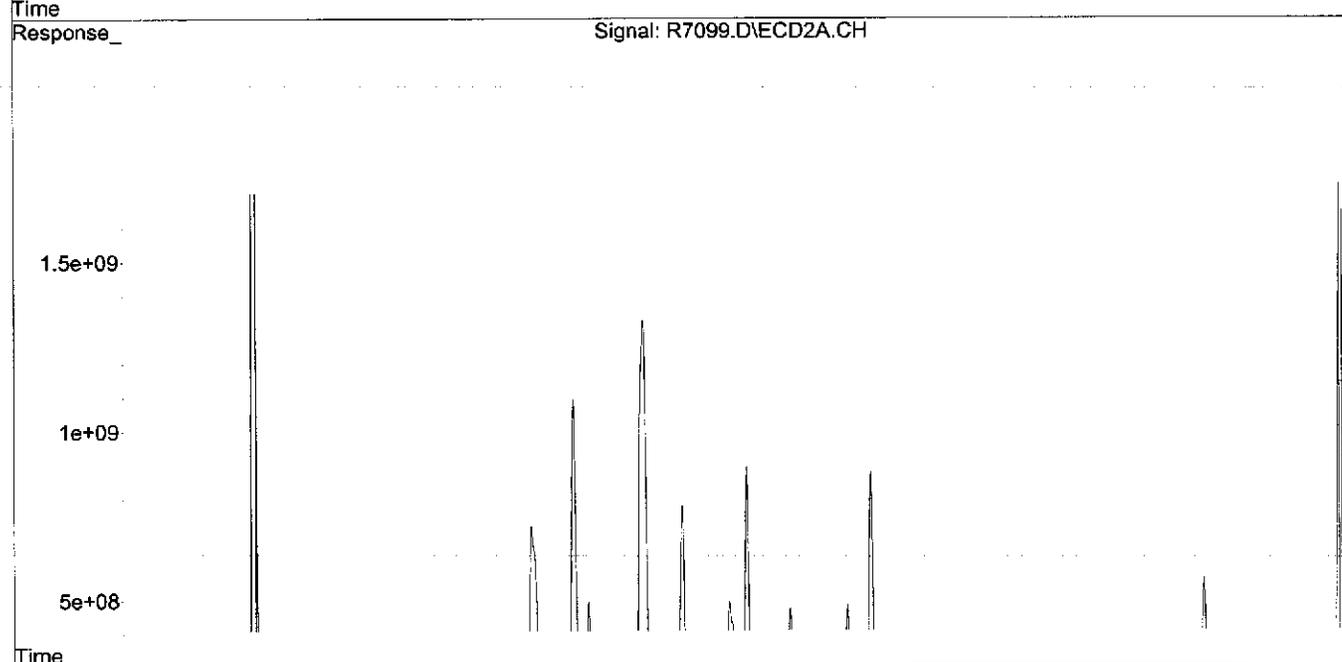
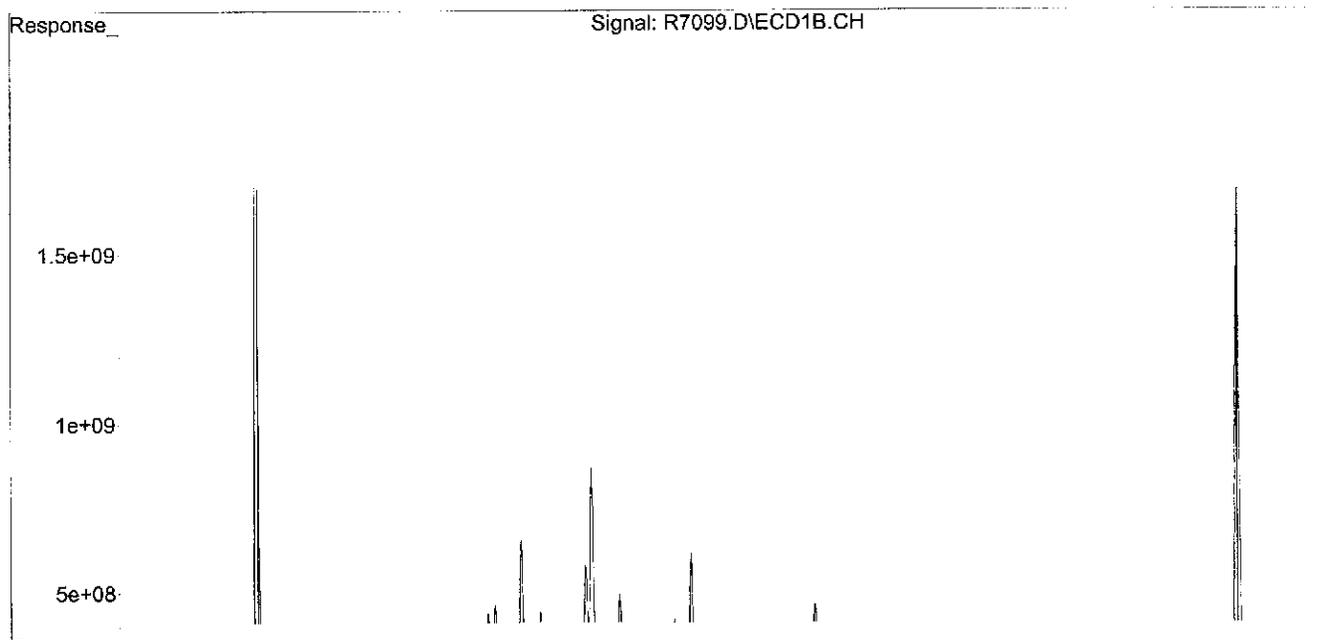
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
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(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

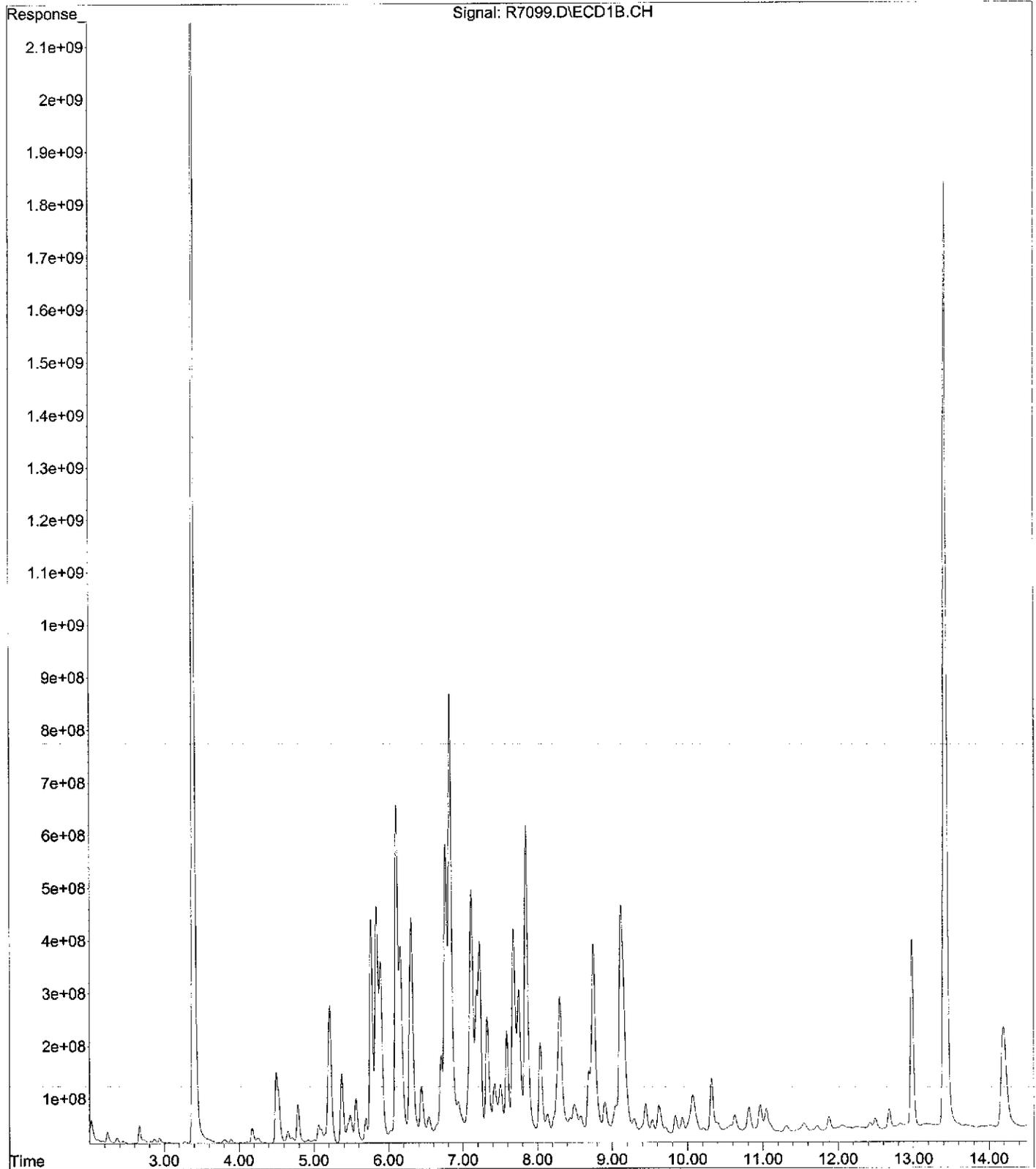
Data Path : C:\MSDCHEM\1\DATA\01-29-13\
Data File : R7099.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jan 2013 00:47
Operator : JS
Sample : EE-42(2.0-,00646-003,S,5.89g,81.3,01/28/13,4
Misc : 130128-03,01/22/13,01/22/13,1
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 30 16:11:17 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
Quant Title :
QLast Update : Tue Jan 29 15:58:03 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

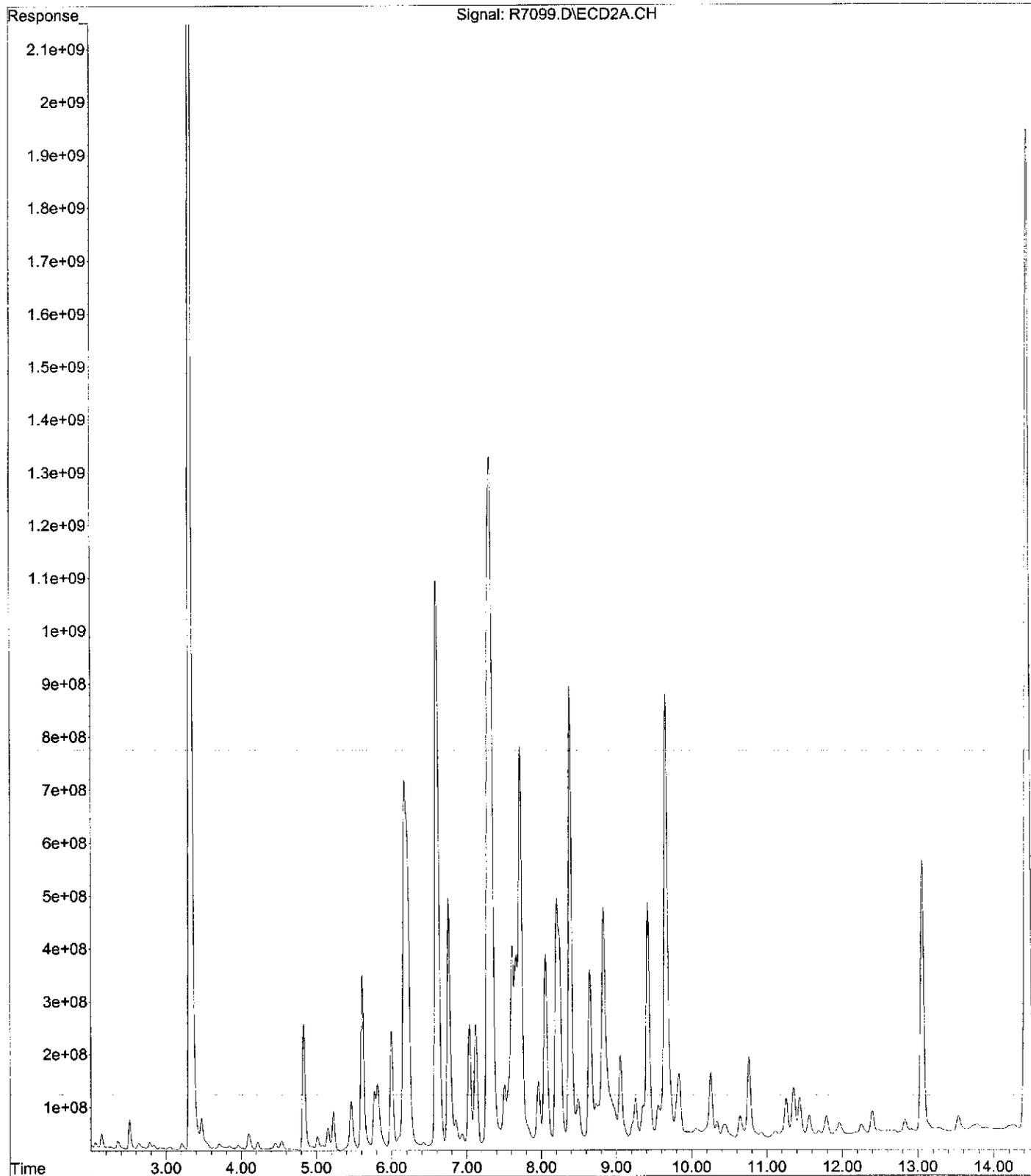
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



File : C:\MSDCHEM\1\DATA\01-29-13\R7099.D
Operator : JS
Acquired : 30 Jan 2013 00:47 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: EE-42(2.0-,00646-003,S,5.89g,81.3,01/28/13,4
Misc Info : 130128-03,01/22/13,01/22/13,1
Vial Number: 28



File : C:\MSDCHEM\1\DATA\01-29-13\R7099.D
Operator : JS
Acquired : 30 Jan 2013 00:47 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: EE-42(2.0-,00646-003,S,5.89g,81.3,01/28/13,4
Misc Info : 130128-03,01/22/13,01/22/13,1
Vial Number: 28



Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7100.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 30 Jan 2013 1:05
 Operator : JS
 Sample : EE-42(3.0-,00646-004,S,5.54g,23.9,01/28/13,4
 Misc : 130128-03,01/22/13,01/22/13,1
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 30 14:52:52 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

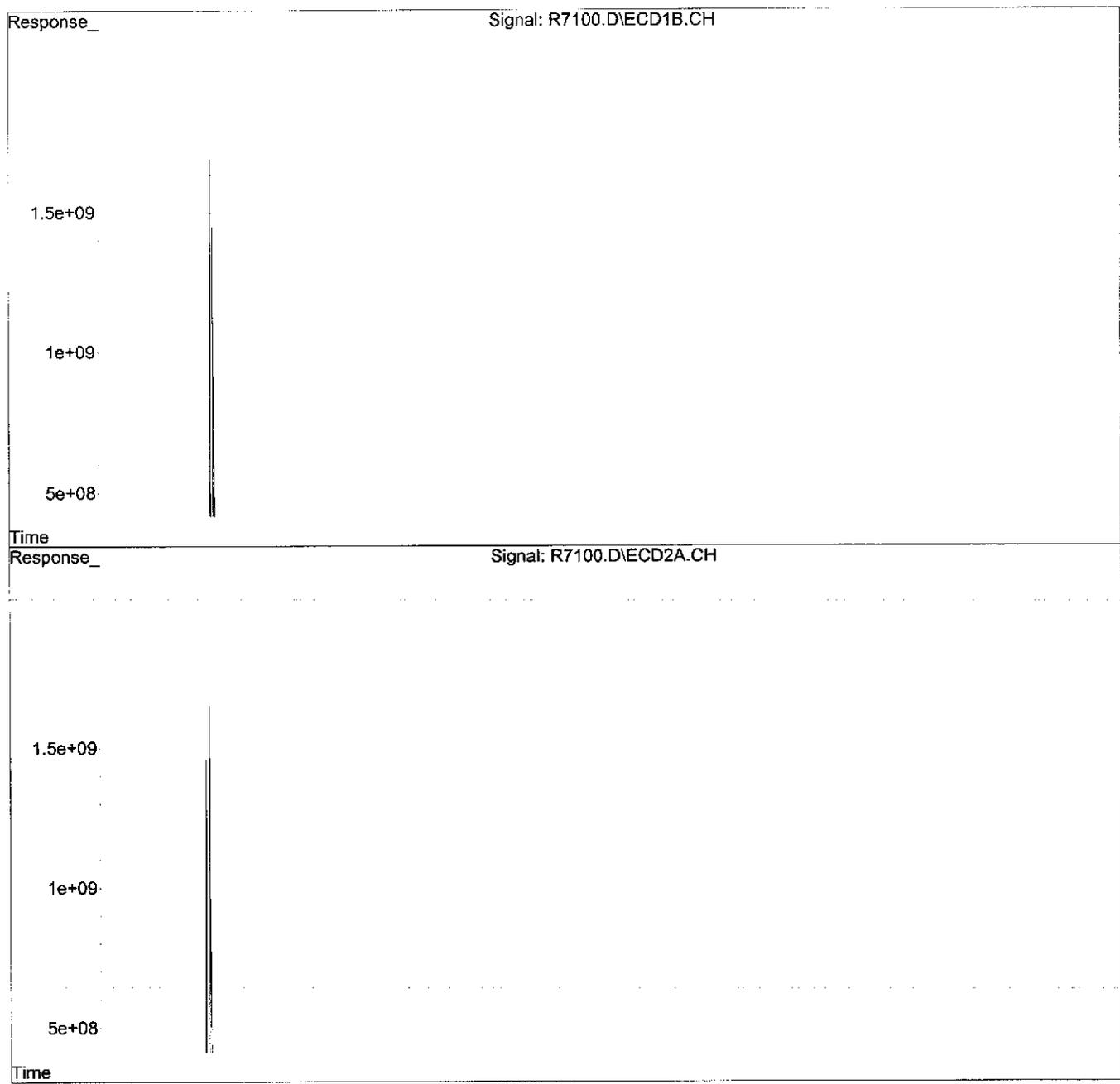
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.39	3.33	55782.3E6	72076.5E6	219.618	216.925
Spiked Amount	200.000					
					Recovery = 109.81%	108.46%
2) S DCB	12.99	13.06	9463.9E6	13119.6E6	219.694	250.449
Spiked Amount	200.000					
					Recovery = 109.85%	125.22%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

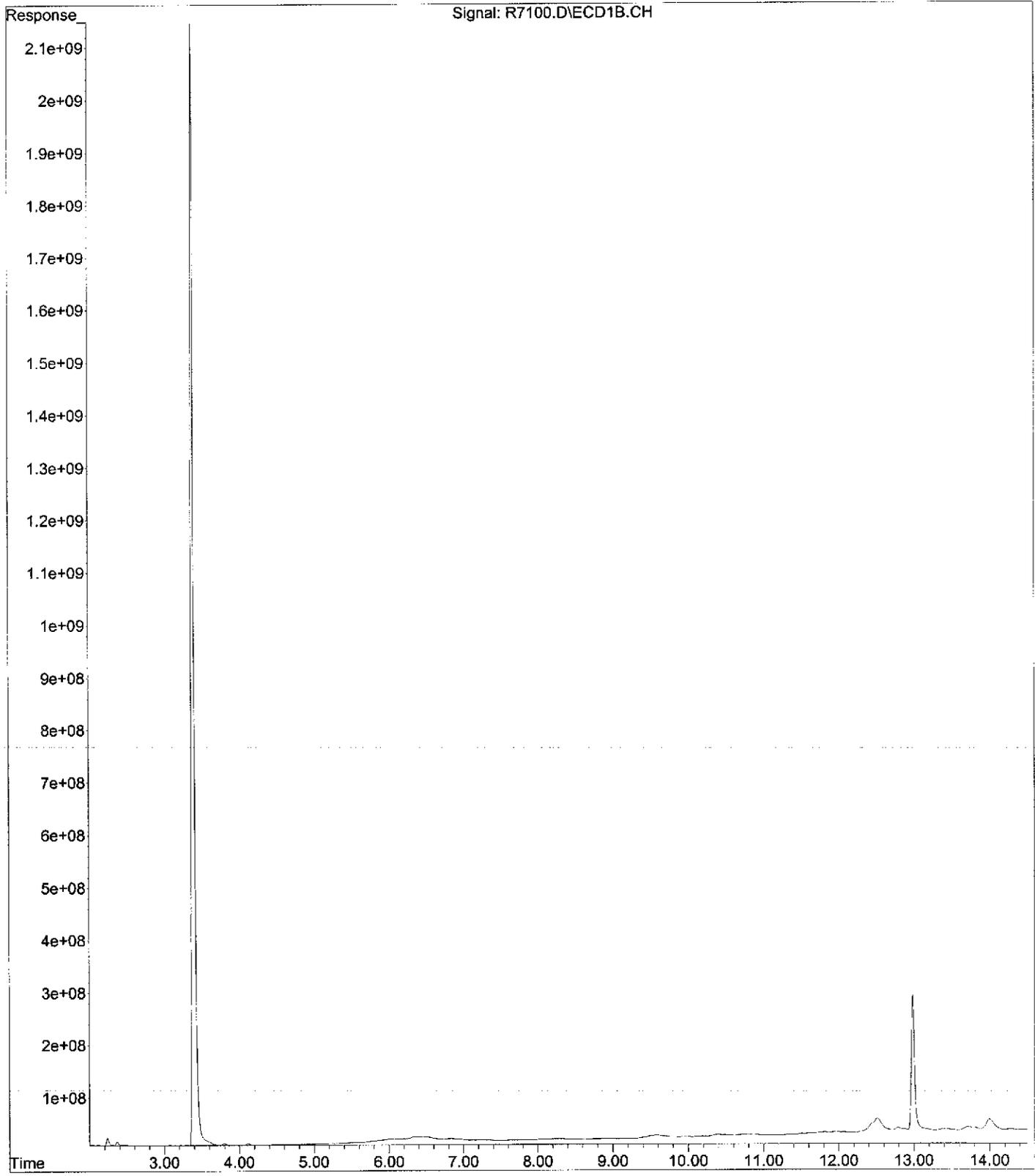
Data Path : C:\MSDCHEM\1\DATA\01-29-13\
Data File : R7100.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jan 2013 1:05
Operator : JS
Sample : EE-42(3.0-,00646-004,S,5.54g,23.9,01/28/13,4
Misc : 130128-03,01/22/13,01/22/13,1
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 30 14:52:52 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
Quant Title :
QLast Update : Tue Jan 29 15:58:03 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

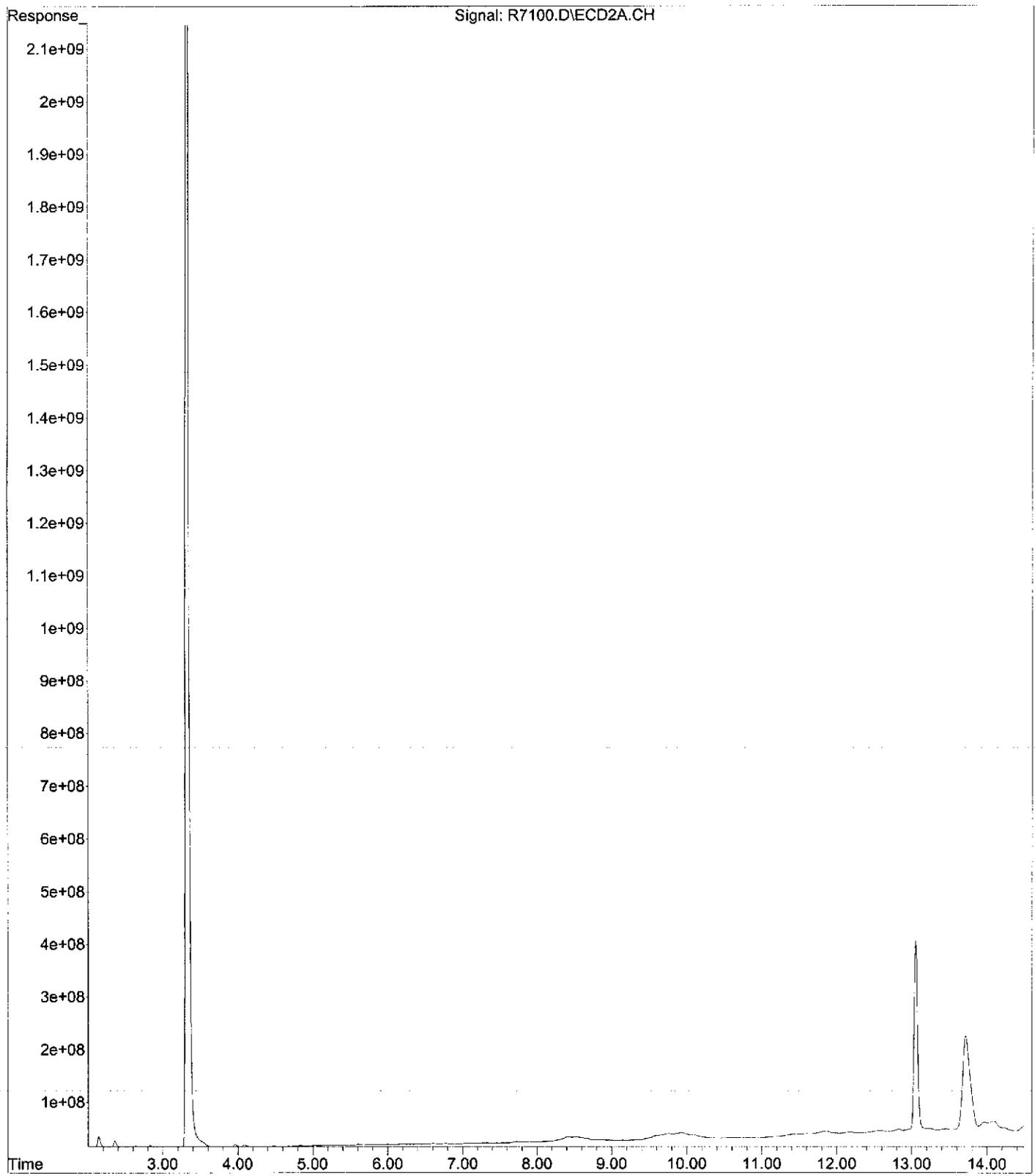
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



File :C:\MSDCHEM\1\DATA\01-29-13\R7100.D
Operator : JS
Acquired : 30 Jan 2013 1:05 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: EE-42(3.0-,00646-004,S,5.54g,23.9,01/28/13,4
Misc Info : 130128-03,01/22/13,01/22/13,1
Vial Number: 29



File : C:\MSDCHEM\1\DATA\01-29-13\R7100.D
Operator : JS
Acquired : 30 Jan 2013 1:05 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: EE-42(3.0-,00646-004,S,5.54g,23.9,01/28/13,4
Misc Info : 130128-03,01/22/13,01/22/13,1
Vial Number: 29



Data Path : C:\MSDCHEM\1\DATA\01-30-13\
 Data File : R7122.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 30 Jan 2013 12:16
 Operator : JS
 Sample : DD-41(R) (0,00646-005,S,5.52g,78.2,01/28/13,4
 Misc : 130128-03,01/22/13,01/22/13,10
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 30 16:15:17 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

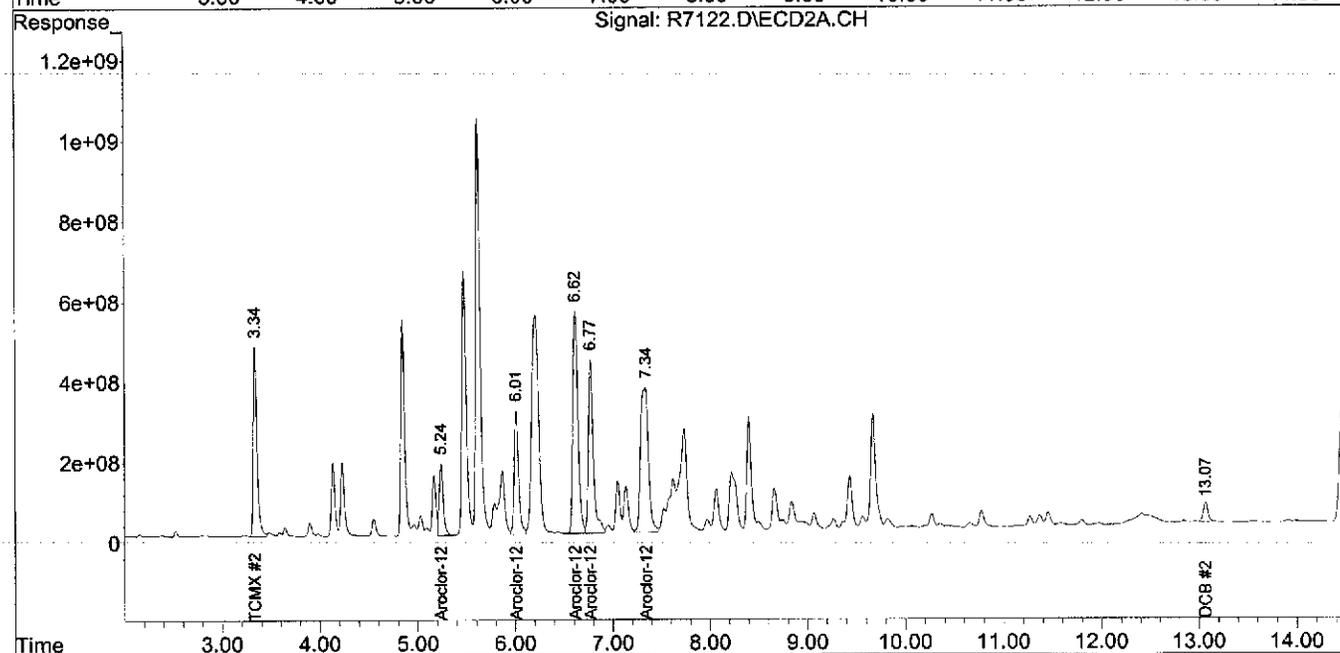
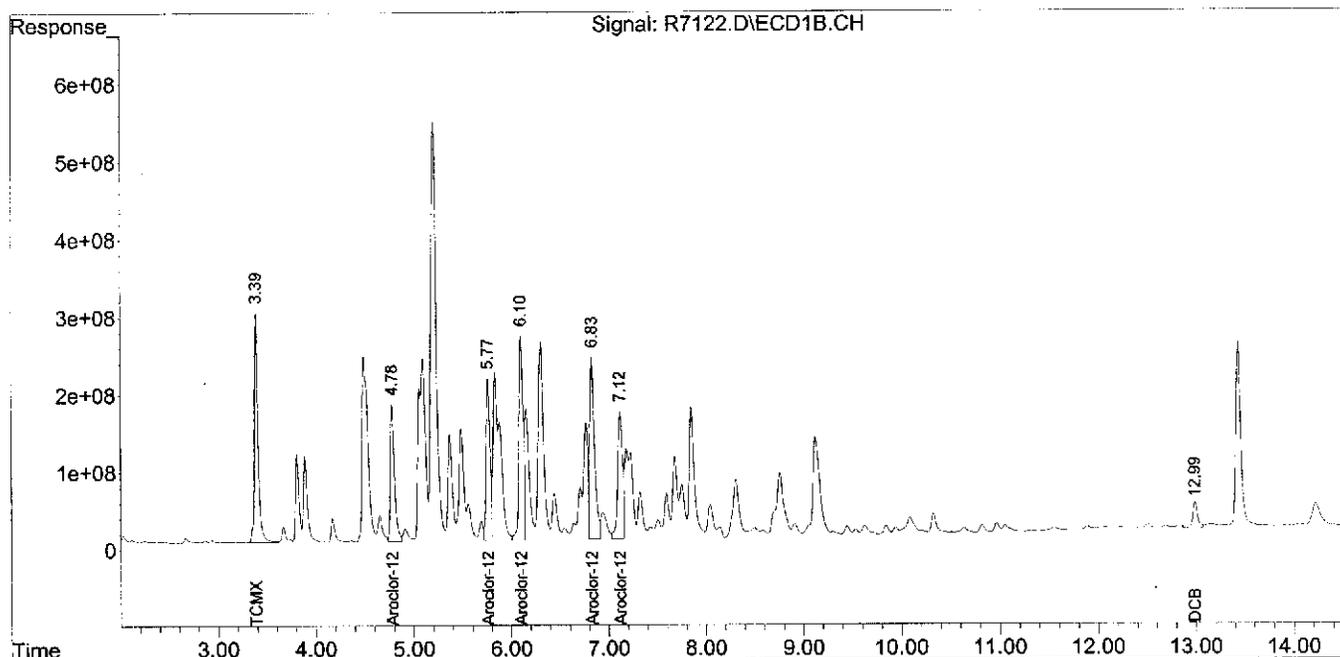
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.39	3.34	7419.9E6	12234.0E6	29.213	36.820 #
Spiked Amount	200.000		Recovery	=	14.61%	18.41%
2) S DCB	12.99	13.07	1268.1E6	1570.0E6	29.438	29.972m
Spiked Amount	200.000		Recovery	=	14.72%	14.99%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.78	5.24	5073.4E6	5125.6E6	929.388	950.261
19) L5 Aroclor-1242 {2}	5.77	6.01	5819.4E6	9552.7E6	1646.201	1077.296 #
20) L5 Aroclor-1242 {3}	6.10	6.62	7967.5E6	20672.7E6	1713.356	1764.013
21) L5 Aroclor-1242 {4}	6.83	6.77	8158.9E6	15081.4E6	816.161	1524.476 #
22) L5 Aroclor-1242 {5}	7.12	7.34	5726.4E6	20717.9E6	843.317	1143.793 #
Sum Aroclor-1242			32745.7E6	71150.4E6	5948.423	6459.839
Average Aroclor-1242					1189.685	1291.968
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\01-30-13\
 Data File : R7122.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 30 Jan 2013 12:16
 Operator : JS
 Sample : DD-41(R) (0,00646-005,S,5.52g,78.2,01/28/13,4
 Misc : 130128-03,01/22/13,01/22/13,10
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 30 16:15:17 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7102.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 30 Jan 2013 1:40
 Operator : JS
 Sample : DD-41(R) (1,00646-006,S,5.38g,88.8,01/28/13,4
 Misc : 130128-03,01/22/13,01/22/13,1
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 30 16:14:22 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

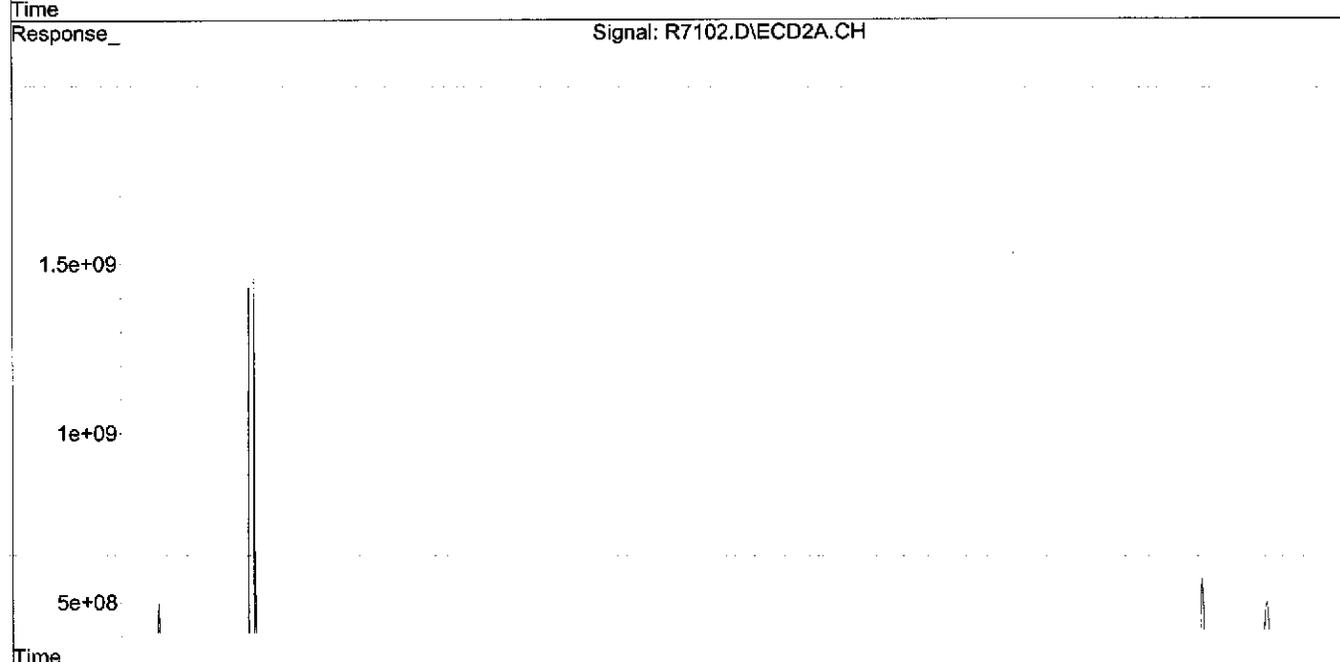
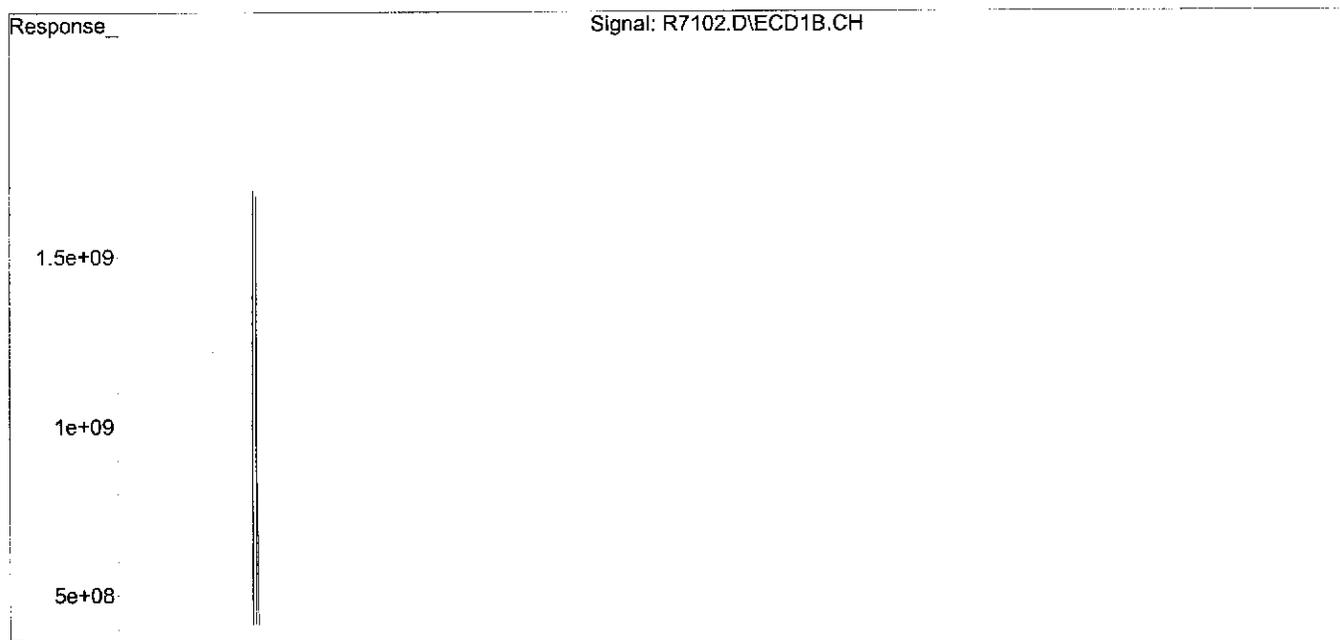
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.39	3.34	62276.0E6	81440.8E6	245.184	245.108
Spiked Amount	200.000					
				Recovery =	122.59%	122.55%
2) S DCB	12.98	13.05	10342.8E6	15129.4E6	240.099m	288.816m
Spiked Amount	200.000			Recovery =	120.05%	144.41%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

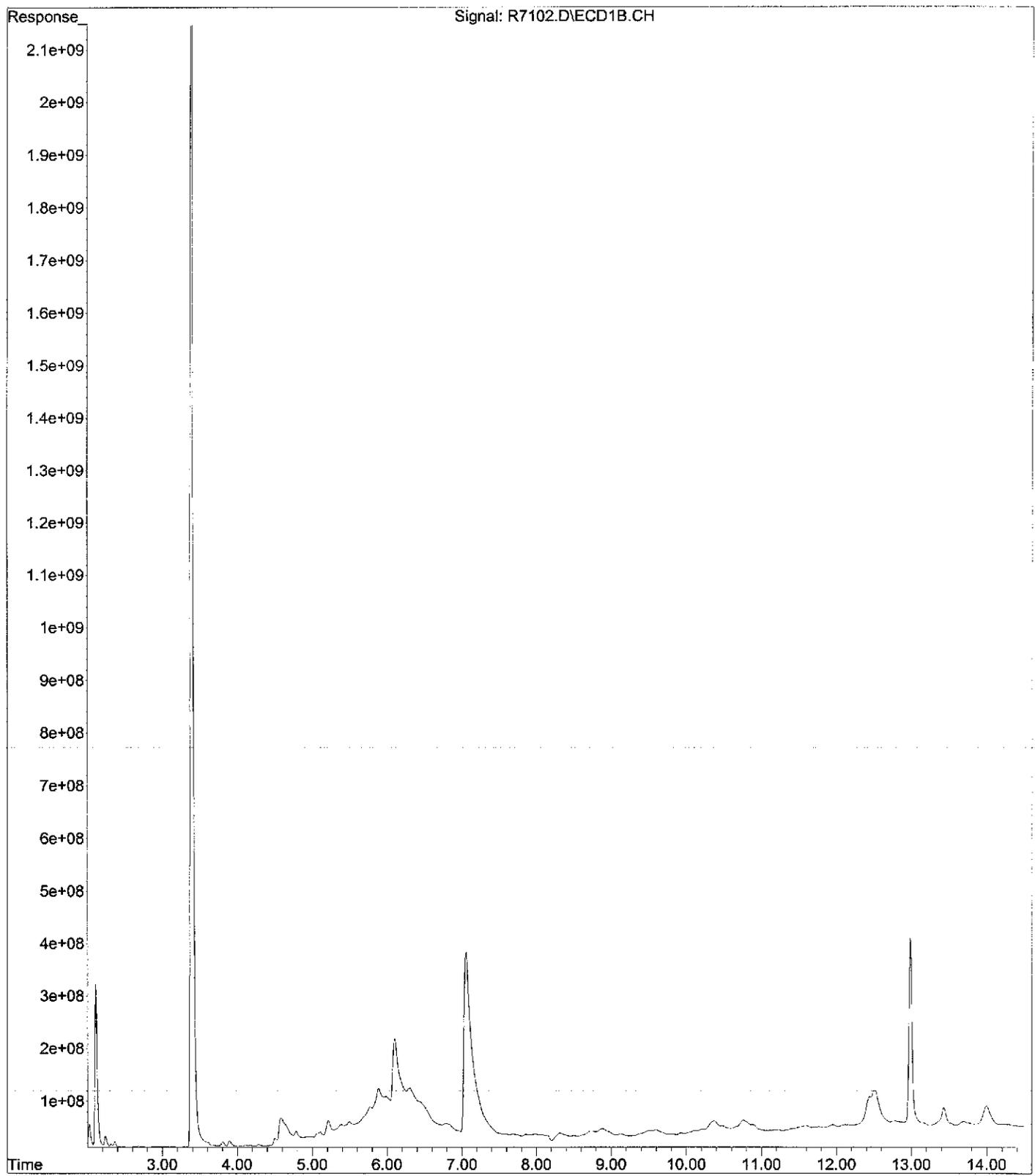
Data Path : C:\MSDCHEM\1\DATA\01-29-13\
Data File : R7102.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jan 2013 1:40
Operator : JS
Sample : DD-41(R) (1,00646-006,S,5.38g,88.8,01/28/13,4
Misc : 130128-03,01/22/13,01/22/13,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 30 16:14:22 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
Quant Title :
QLast Update : Tue Jan 29 15:58:03 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

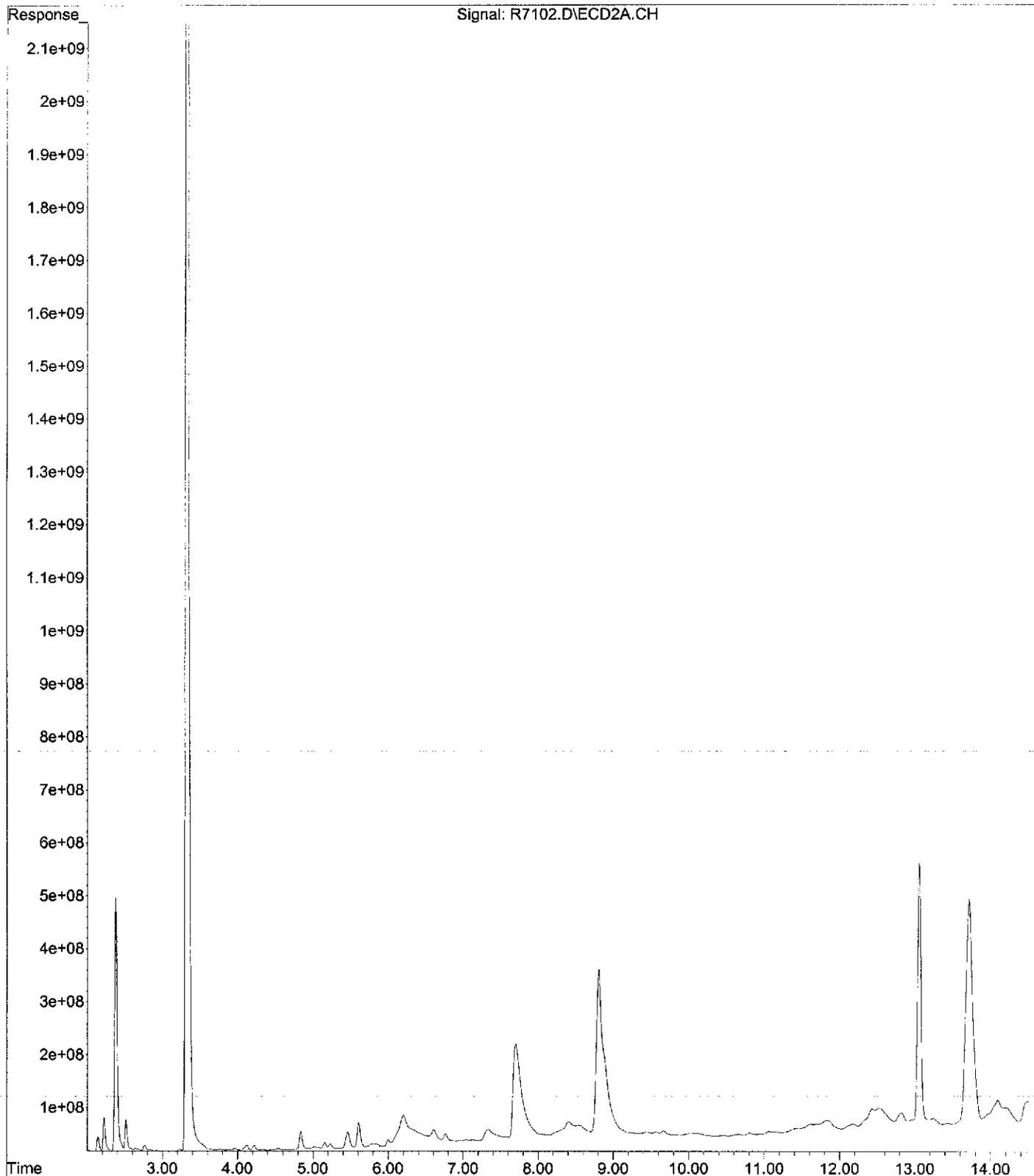
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



File : C:\MSDCHEM\1\DATA\01-29-13\R7102.D
Operator : JS
Acquired : 30 Jan 2013 1:40 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: DD-41(R) (1,00646-006,S,5.38g,88.8,01/28/13,4
Misc Info : 130128-03,01/22/13,01/22/13,1
Vial Number: 31



File : C:\MSDCHEM\1\DATA\01-29-13\R7102.D
Operator : JS
Acquired : 30 Jan 2013 1:40 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: DD-41(R) (1,00646-006,S,5.38g,88.8,01/28/13,4
Misc Info : 130128-03,01/22/13,01/22/13,1
Vial Number: 31



Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7103.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 30 Jan 2013 1:57
 Operator : JS
 Sample : DD-41(R) (2,00646-007,S,5.69g,66.6,01/28/13,4
 Misc : 130128-03,01/22/13,01/22/13,1
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 30 16:11:40 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

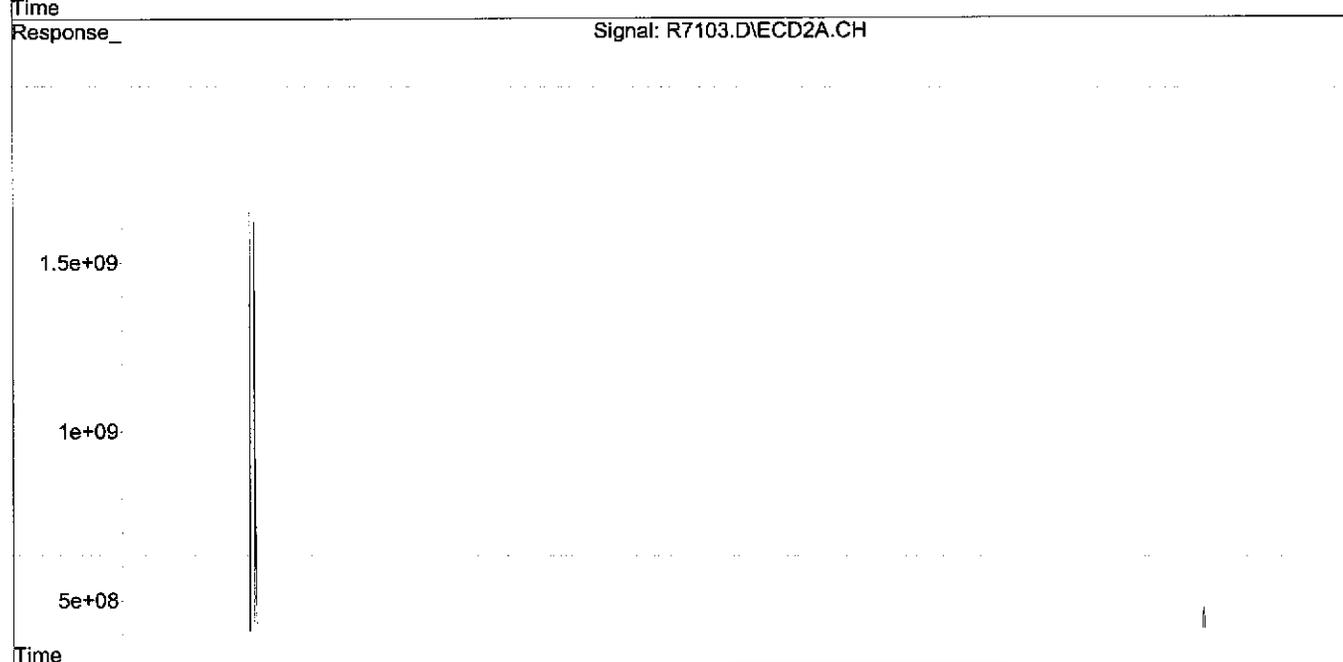
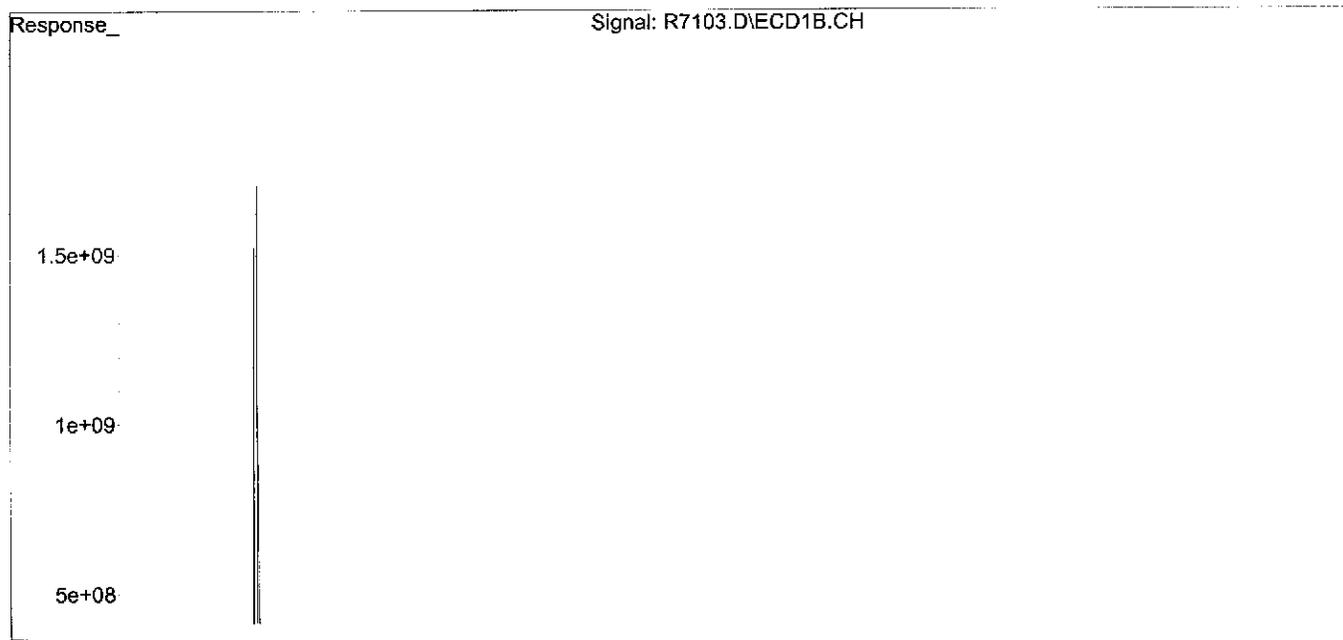
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.39	3.34	60136.9E6	77707.7E6	236.763	233.873
Spiked Amount	200.000			Recovery	= 118.38%	116.94%
2) S DCB	12.99	13.06	10842.4E6	13298.7E6	251.695	253.868m
Spiked Amount	200.000			Recovery	= 125.85%	126.93%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

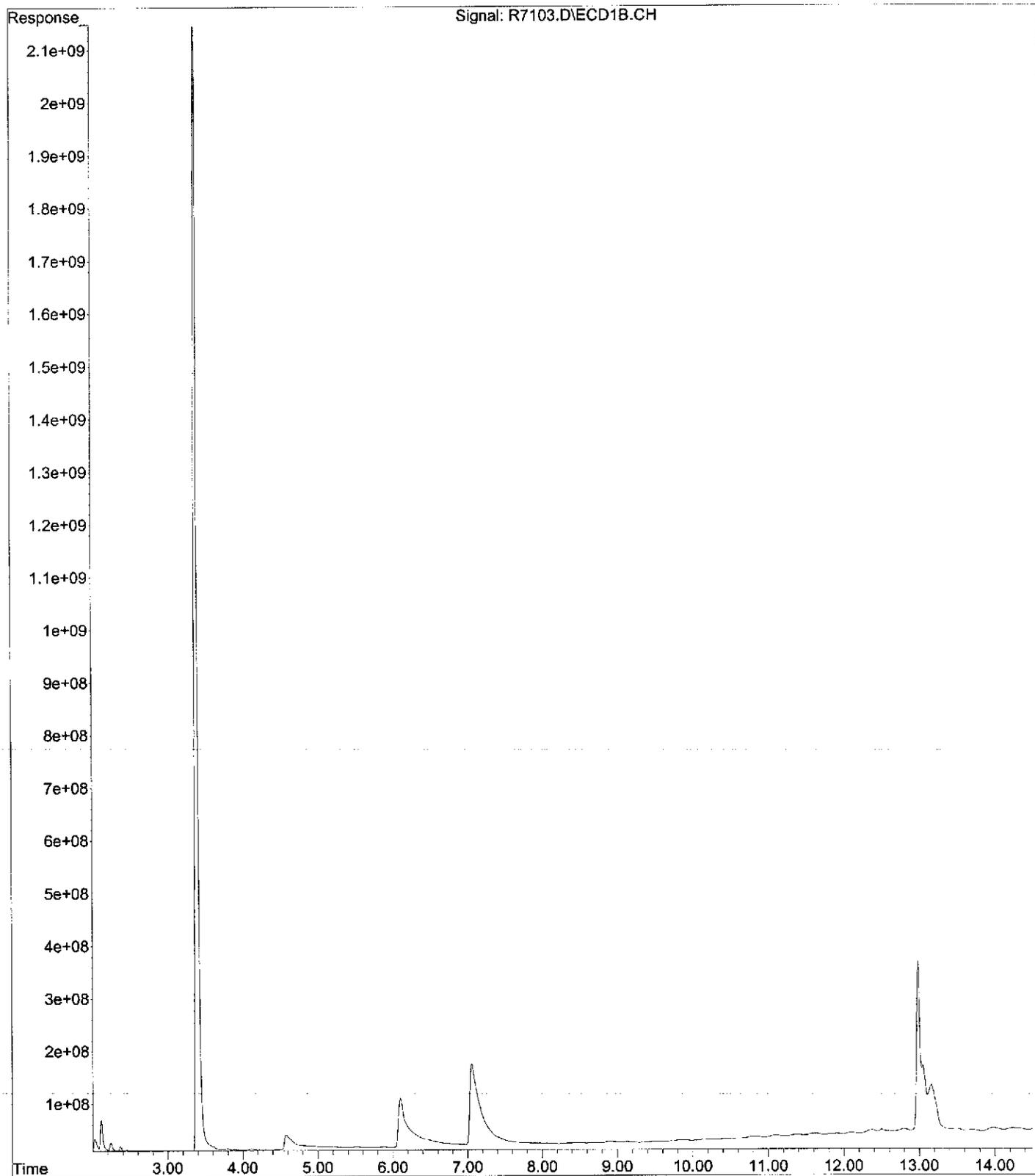
Data Path : C:\MSDCHEM\1\DATA\01-29-13\
Data File : R7103.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jan 2013 1:57
Operator : JS
Sample : DD-41(R) (2,00646-007,S,5.69g,66.6,01/28/13,4
Misc : 130128-03,01/22/13,01/22/13,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 30 16:11:40 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
Quant Title :
QLast Update : Tue Jan 29 15:58:03 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

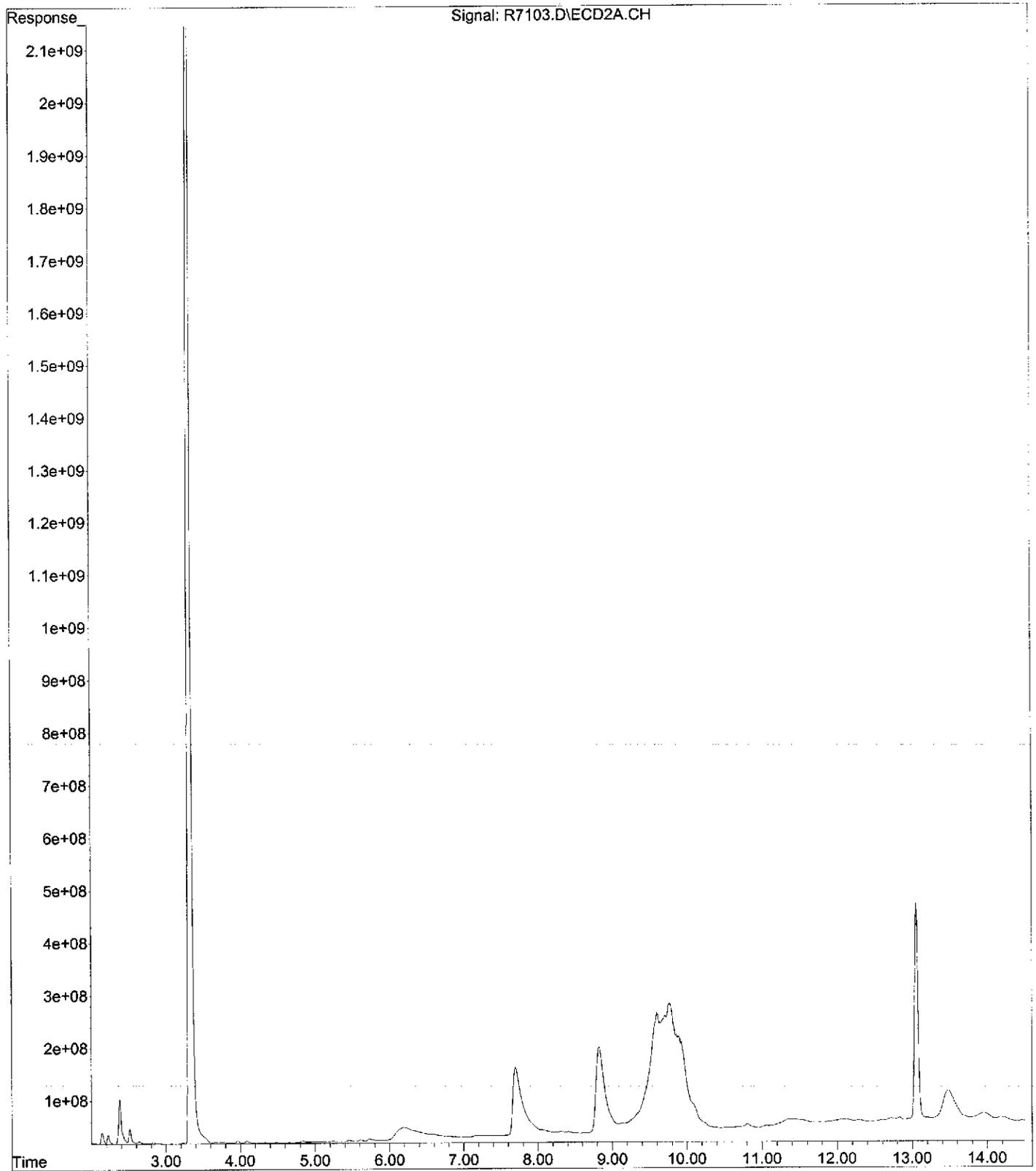
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



File : C:\MSDCHEM\1\DATA\01-29-13\R7103.D
Operator : JS
Acquired : 30 Jan 2013 1:57 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: DD-41(R) (2,00646-007,S,5.69g,66.6,01/28/13,4
Misc Info : 130128-03,01/22/13,01/22/13,1
Vial Number: 32



File : C:\MSDCHEM\1\DATA\01-29-13\R7103.D
Operator : JS
Acquired : 30 Jan 2013 1:57 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: DD-41(R) (2,00646-007,S,5.69g,66.6,01/28/13,4
Misc Info : 130128-03,01/22/13,01/22/13,1
Vial Number: 32



Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7104.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 30 Jan 2013 2:15
 Operator : JS
 Sample : DD-41(R) (3,00646-008,S,5.66g,22.5,01/28/13,4
 Misc : 130128-03,01/22/13,01/22/13,1
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 30 14:53:54 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

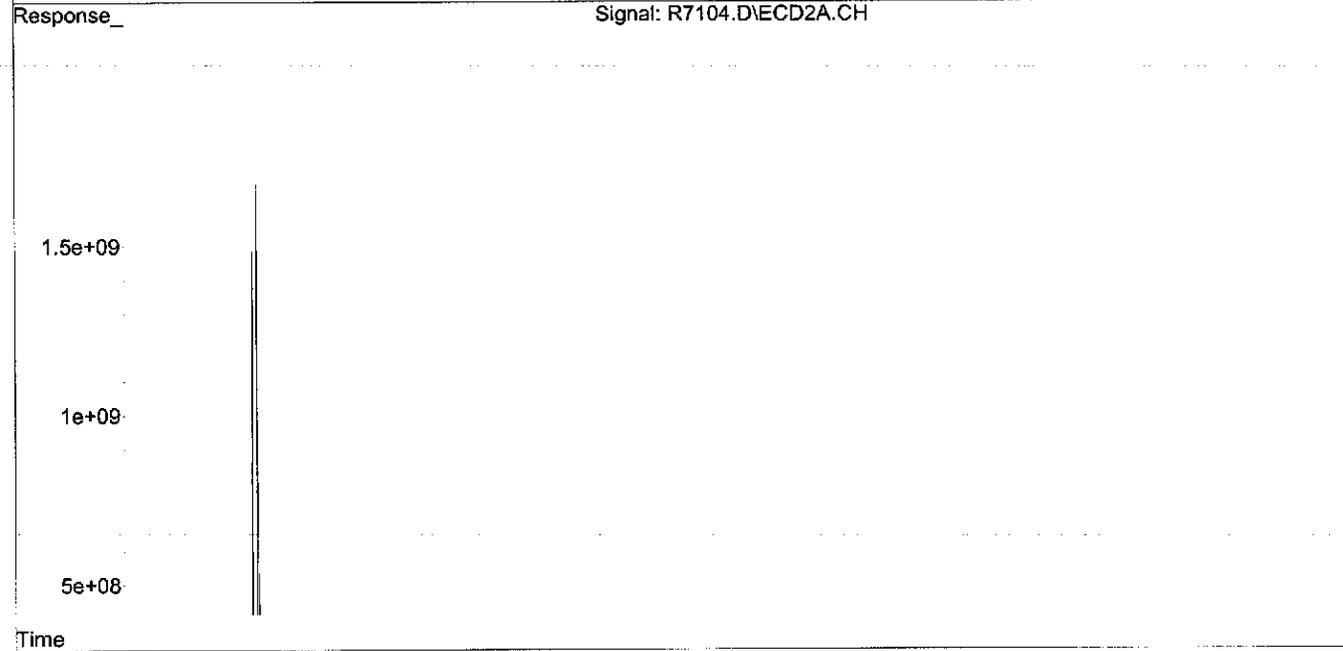
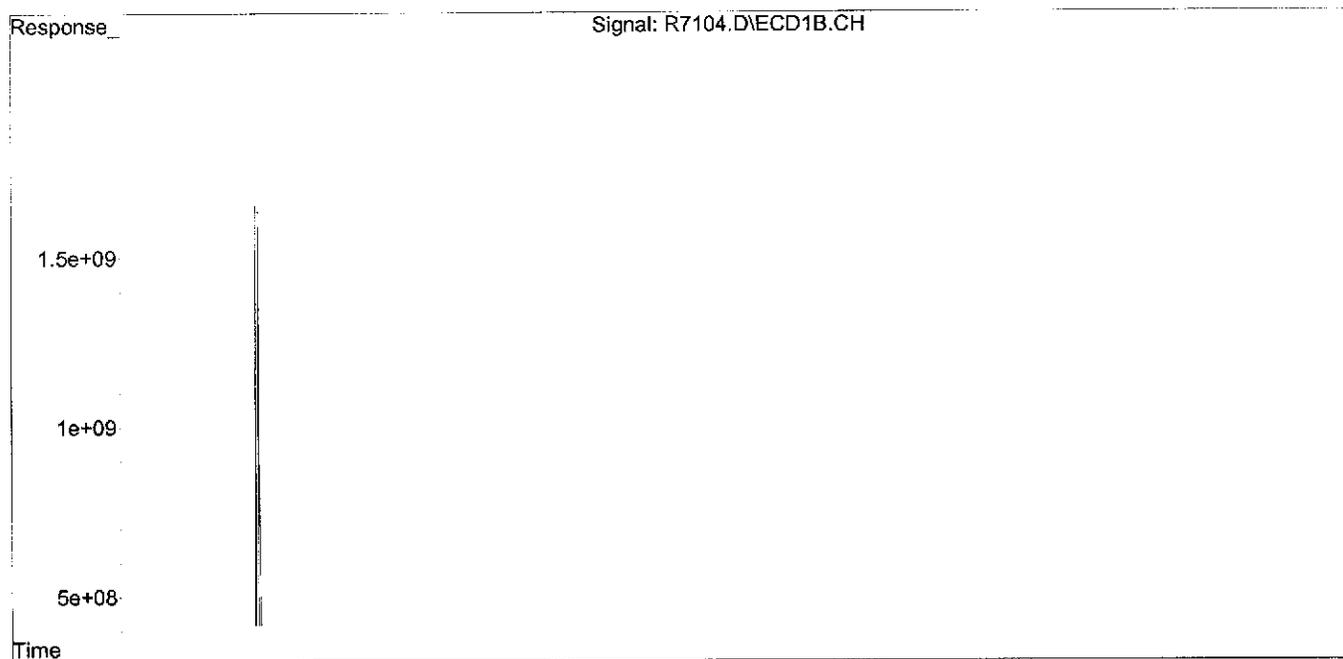
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.39	3.33	56235.0E6	73558.6E6	221.401	221.385
Spiked Amount	200.000			Recovery	= 110.70%	110.69%
2) S DCB	12.99	13.06	10465.4E6	14194.4E6	242.943	270.967
Spiked Amount	200.000			Recovery	= 121.47%	135.48%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

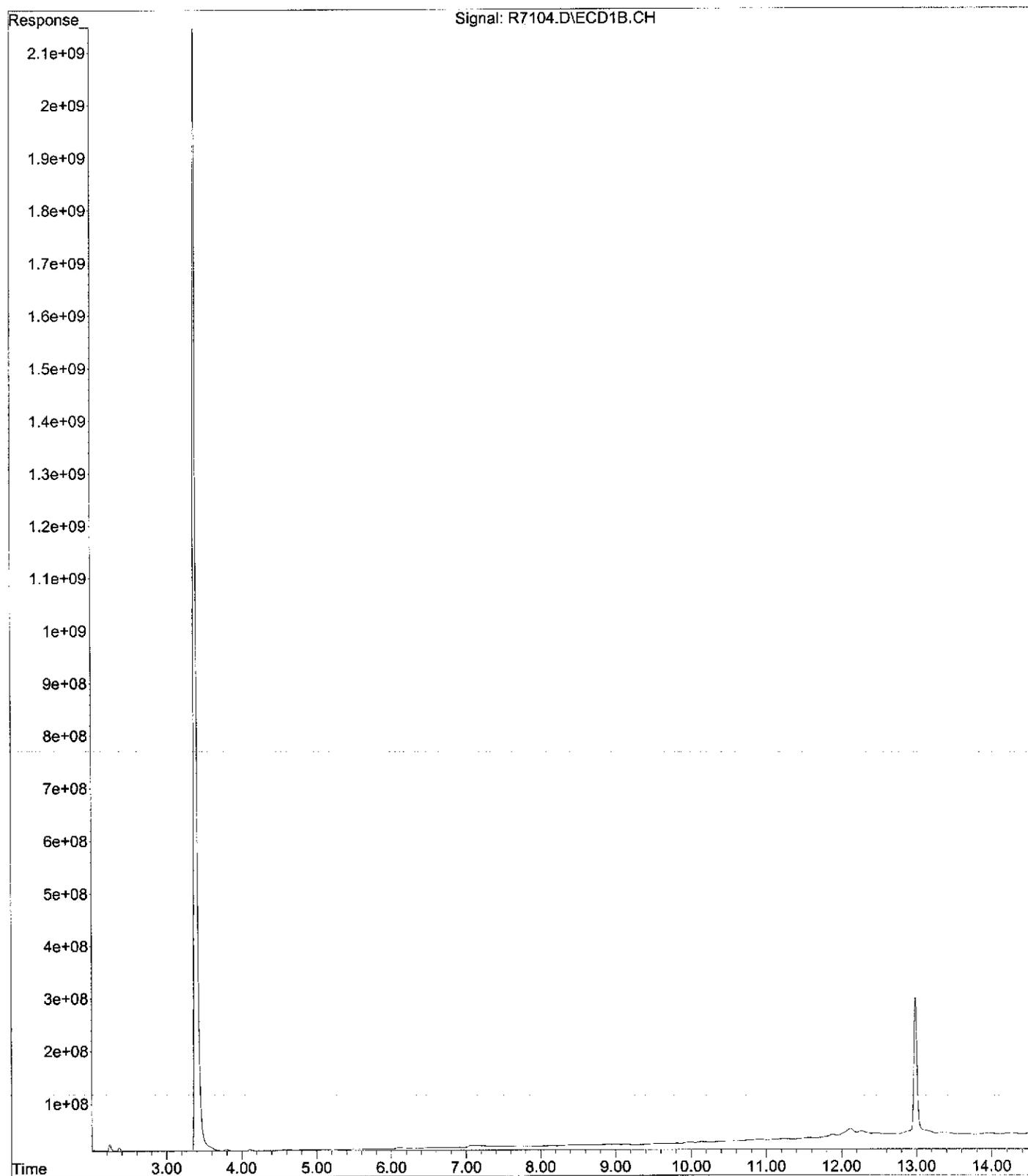
Data Path : C:\MSDCHEM\1\DATA\01-29-13\
Data File : R7104.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jan 2013 2:15
Operator : JS
Sample : DD-41(R) (3,00646-008,S,5.66g,22.5,01/28/13,4
Misc : 130128-03,01/22/13,01/22/13,1
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 30 14:53:54 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
Quant Title :
QLast Update : Tue Jan 29 15:58:03 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

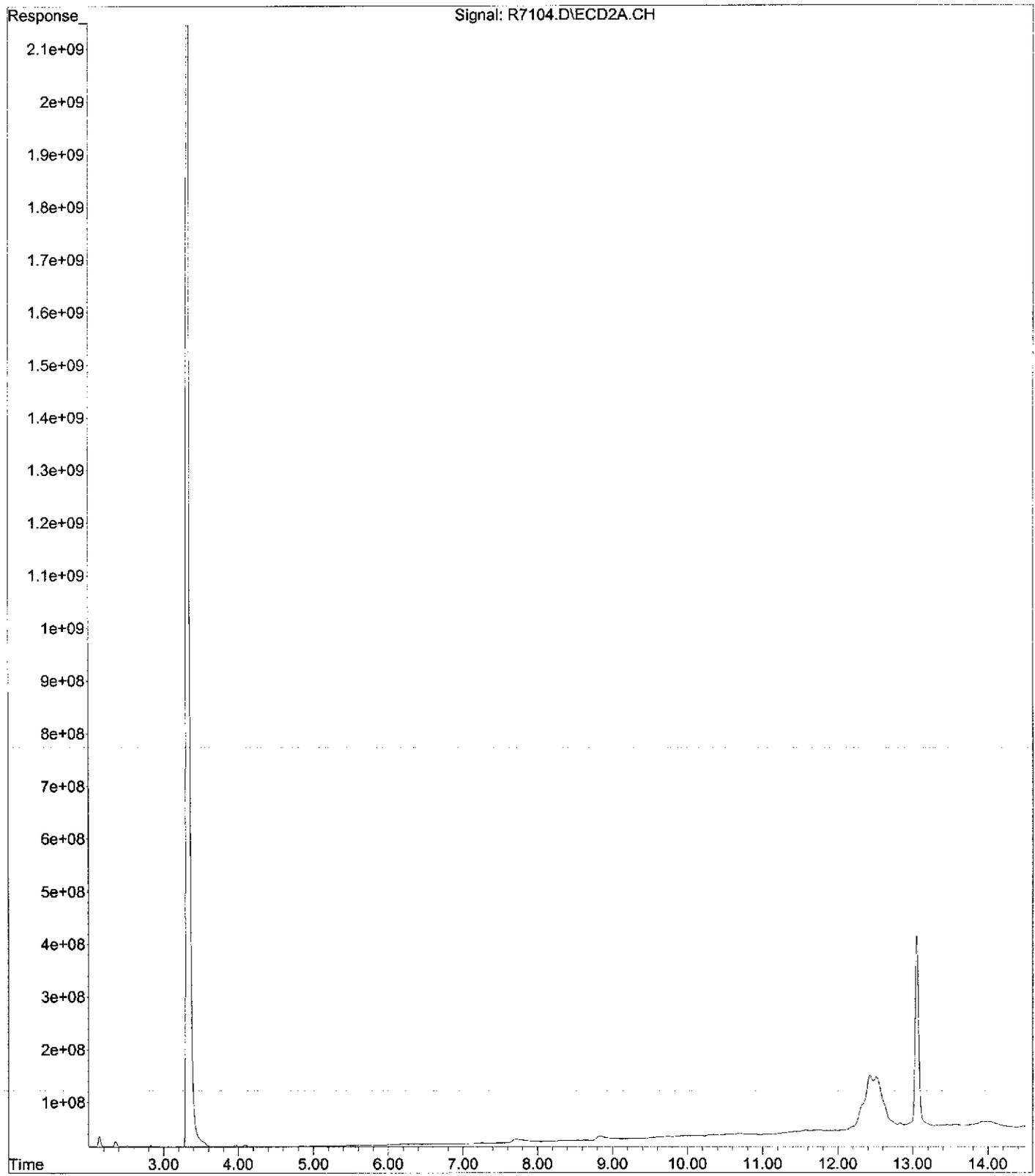
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



File : C:\MSDCHEM\1\DATA\01-29-13\R7104.D
Operator : JS
Acquired : 30 Jan 2013 2:15 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: DD-41(R) (3,00646-008,S,5.66g,22.5,01/28/13,4
Misc Info : 130128-03,01/22/13,01/22/13,1
Vial Number: 33



File : C:\MSDCHEM\1\DATA\01-29-13\R7104.D
Operator : JS
Acquired : 30 Jan 2013 2:15 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: DD-41(R) (3,00646-008,S,5.66g,22.5,01/28/13,4
Misc Info : 130128-03,01/22/13,01/22/13,1
Vial Number: 33



Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7105.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 30 Jan 2013 2:32
 Operator : JS
 Sample : FF-39(0-1.,00646-009,S,5.93g,83.5,01/28/13,4
 Misc : 130128-03,01/22/13,01/22/13,1
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 30 16:12:20 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Responder via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.39	3.34	60544.6E6	78930.1E6	238.368	237.552
Spiked Amount	200.000				Recovery = 119.18%	118.78%
2) S DCB	12.99	13.05	11583.2E6	15021.7E6	268.892	286.760m
Spiked Amount	200.000				Recovery = 134.45%	143.38%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	5.21	5.61	4918.1E6	5643.9E6	399.600	322.481
24) L6 Aroclor-1248 {2}	5.77	6.20	3669.1E6	18288.1E6	546.209	690.877 #
25) L6 Aroclor-1248 {3}	6.11	6.60	6954.2E6	12564.3E6	952.680	675.022 #
26) L6 Aroclor-1248 {4}	6.83	6.76	8289.4E6	8241.2E6	525.800	479.568
27) L6 Aroclor-1248 {5}	7.11	7.12	3806.2E6	3892.0E6	395.492m	437.925
Sum Aroclor-1248			27637.0E6	48629.4E6	2819.781	2605.872
Average Aroclor-1248					563.956	521.174
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	9.15	8.65	4866.9E6	2575.5E6	266.218	171.848 #
34) L8 Aroclor-1260 {2}	9.84	9.06	311.6E6	2322.1E6	37.960	147.618 #
35) L8 Aroclor-1260 {3}	10.32	10.25	1536.5E6	1101.6E6	78.704	99.991 #
36) L8 Aroclor-1260 {4}	10.81	10.76	325.3E6	1574.4E6	36.271	68.861 #
37) L8 Aroclor-1260 {5}	11.88	11.36	341.9E6	964.1E6	88.818m	59.114 #
Sum Aroclor-1260			7382.2E6	8537.7E6	507.972	547.431
Average Aroclor-1260					101.594	109.486
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

Data Path : C:\MSDCHEM\1\DATA\01-29-13\
Data File : R7105.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jan 2013 2:32
Operator : JS
Sample : FF-39(0-1.,00646-009,S,5.93g,83.5,01/28/13,4
Misc : 130128-03,01/22/13,01/22/13,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 30 16:12:20 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
Quant Title :
QLast Update : Tue Jan 29 15:58:03 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

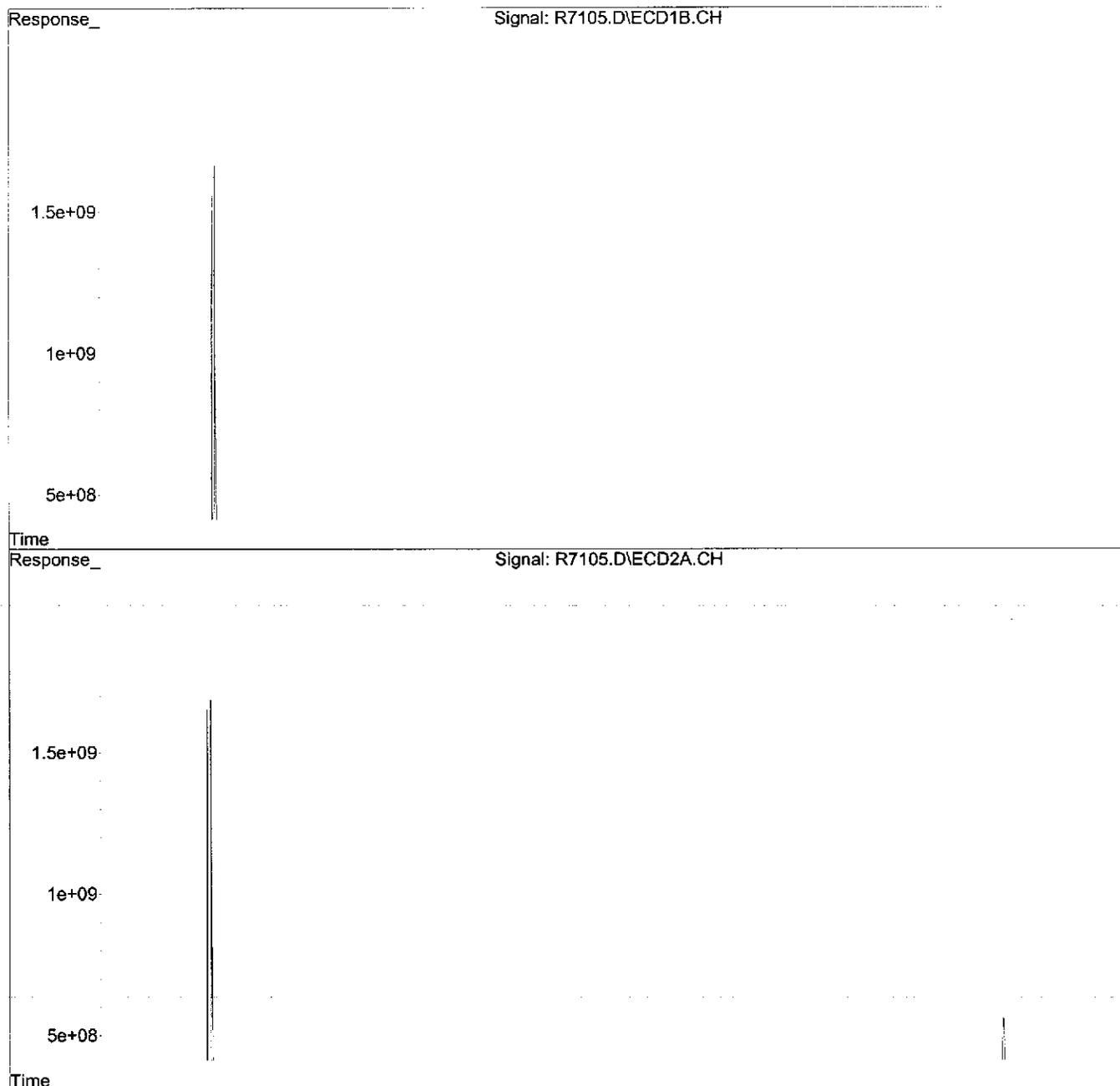
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
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(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

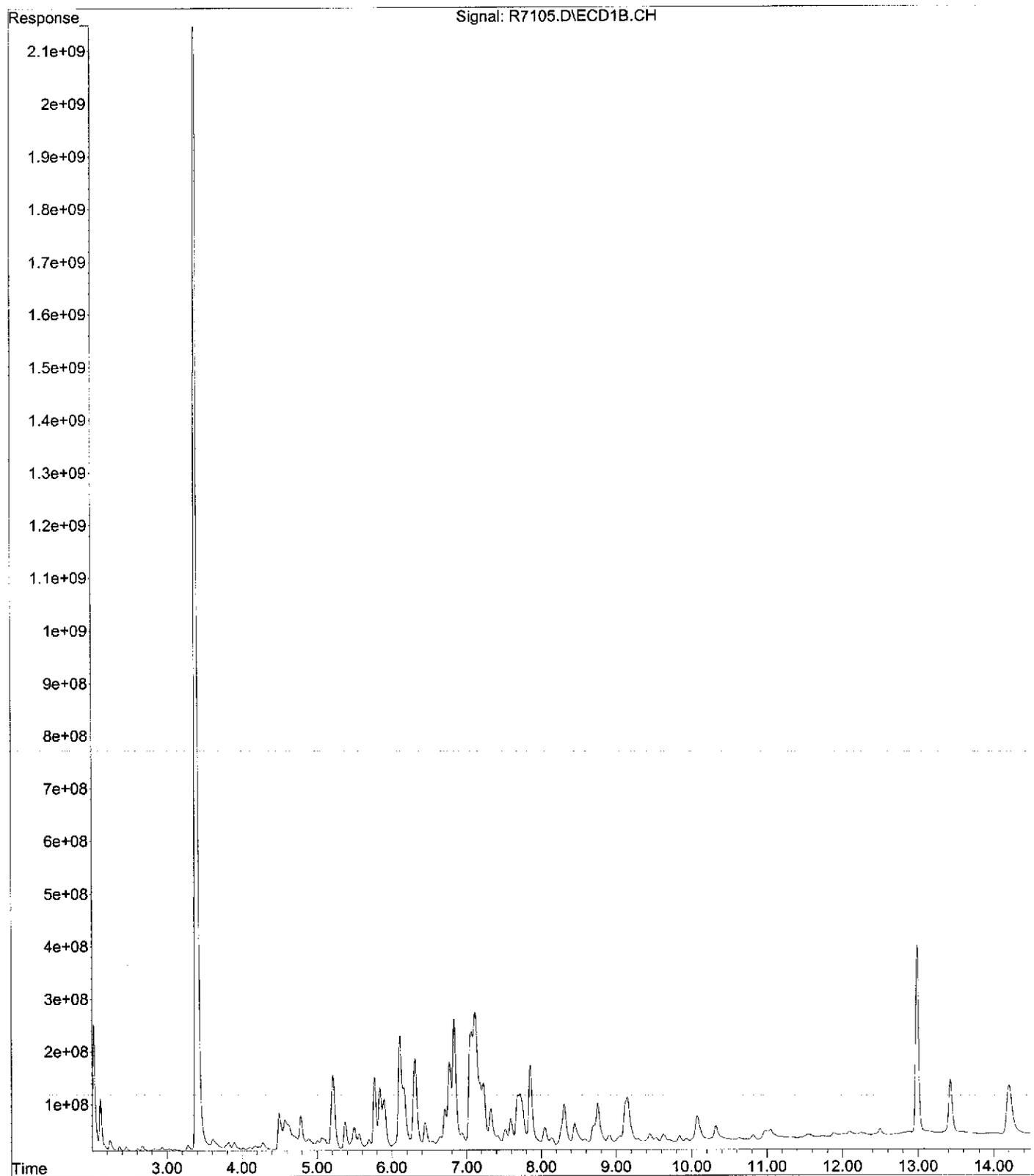
Data Path : C:\MSDCHEM\1\DATA\01-29-13\
Data File : R7105.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jan 2013 2:32
Operator : JS
Sample : FF-39(0-1.,00646-009,S,5.93g,83.5,01/28/13,4
Misc : 130128-03,01/22/13,01/22/13,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 30 16:12:20 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
Quant Title :
QLast Update : Tue Jan 29 15:58:03 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

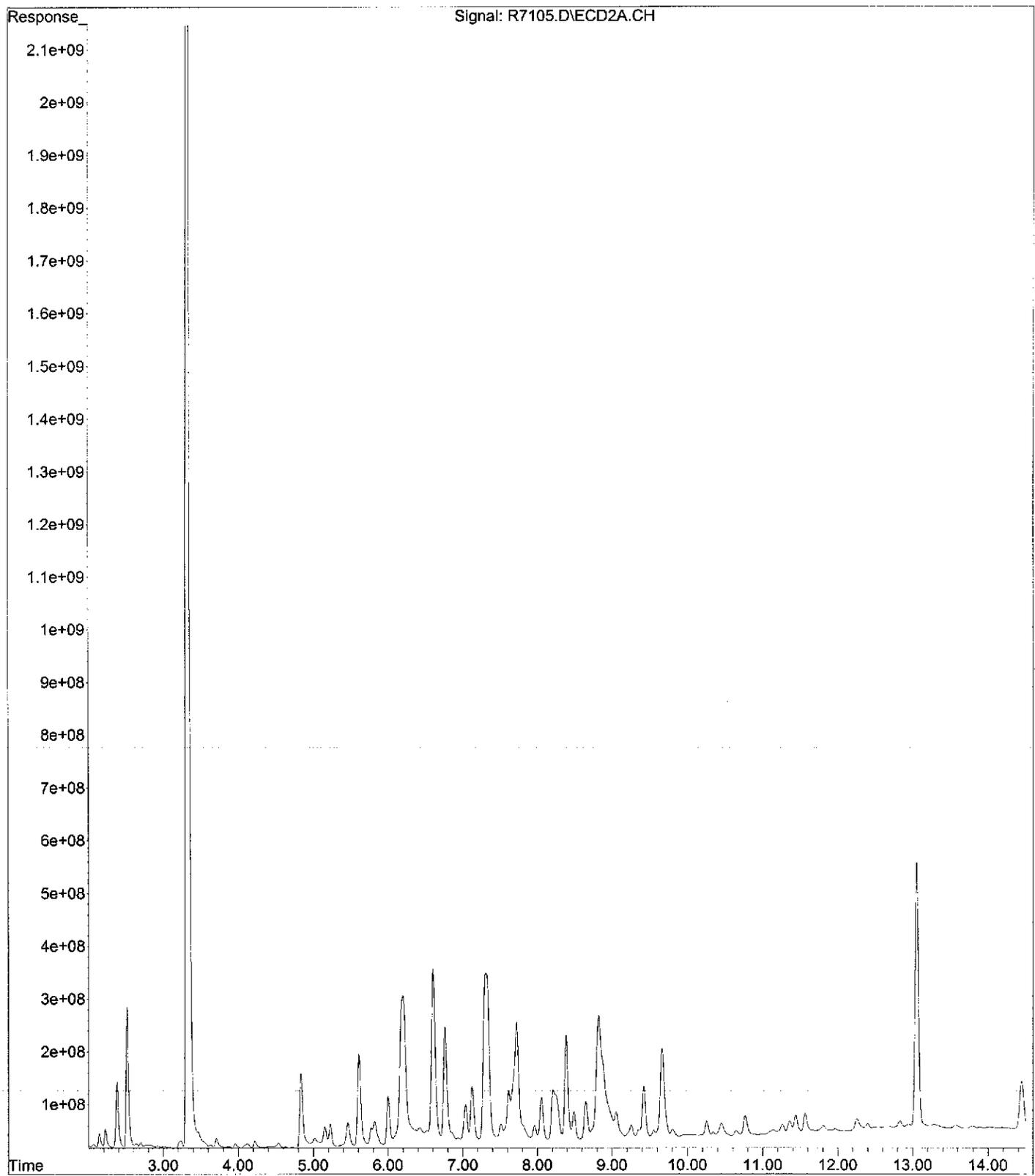
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



File : C:\MSDCHEM\1\DATA\01-29-13\R7105.D
Operator : JS
Acquired : 30 Jan 2013 2:32 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: FF-39(0-1.,00646-009,S,5.93g,83.5,01/28/13,4
Misc Info : 130128-03,01/22/13,01/22/13,1
Vial Number: 34



File : C:\MSDCHEM\1\DATA\01-29-13\R7105.D
Operator : JS
Acquired : 30 Jan 2013 2:32 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: FF-39(0-1.,00646-009,S,5.93g,83.5,01/28/13,4
Misc Info : 130128-03,01/22/13,01/22/13,1
Vial Number: 34



Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7106.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 30 Jan 2013 2:49
 Operator : JS
 Sample : FF-39(1.0-,00646-010,S,5.69g,86.1,01/28/13,4
 Misc : 130128-03,01/22/13,01/22/13,1
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 30 16:12:50 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

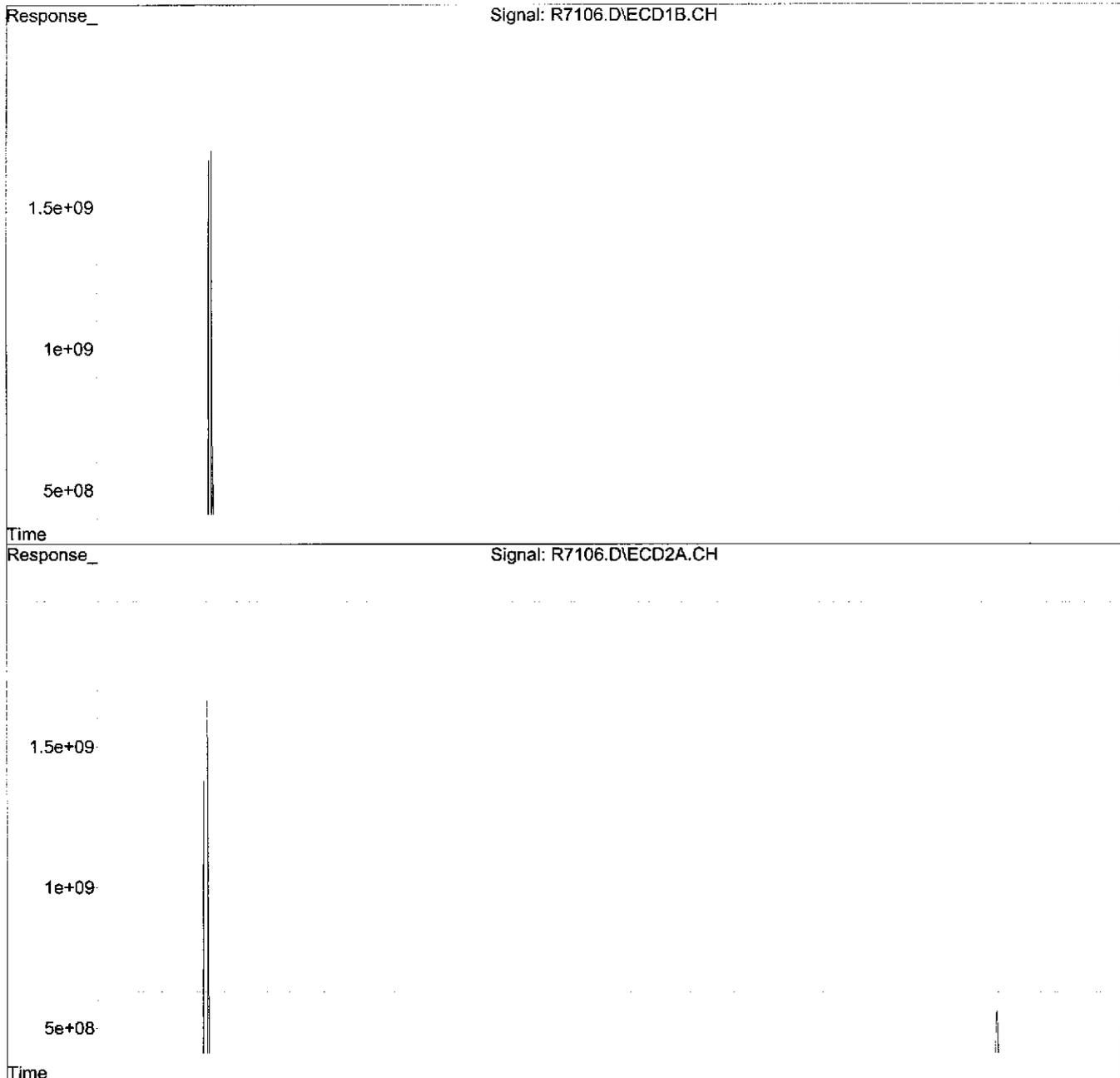
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.39	3.34	63004.1E6	79893.1E6	248.051	240.450
Spiked Amount	200.000				= 124.03%	120.23%
2) S DCB	12.98	13.06	10091.7E6	15487.3E6	234.270m	295.648m#
Spiked Amount	200.000				= 117.14%	147.82%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

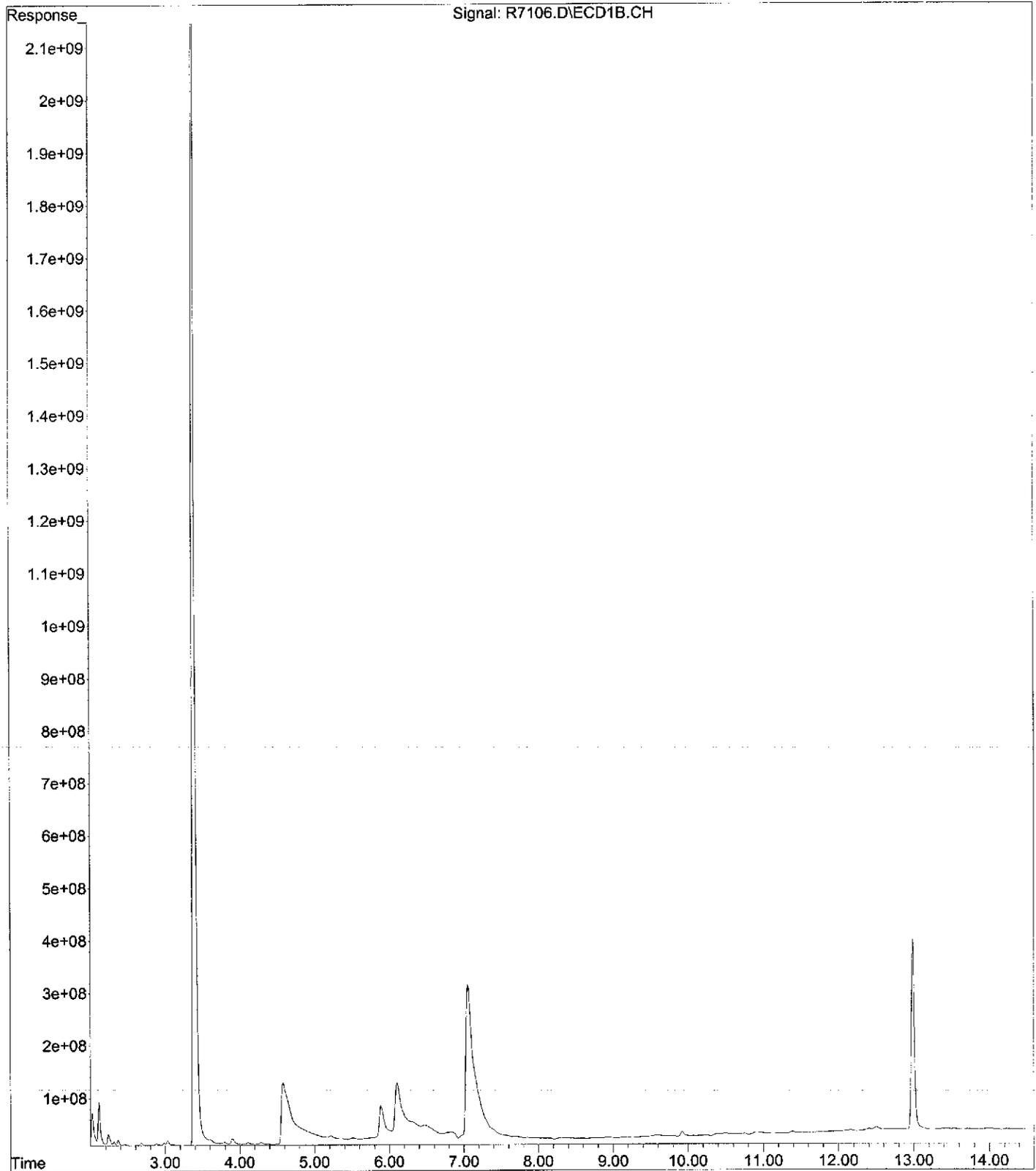
Data Path : C:\MSDCHEM\1\DATA\01-29-13\
Data File : R7106.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jan 2013 2:49
Operator : JS
Sample : FF-39(1.0-,00646-010,S,5.69g,86.1,01/28/13,4
Misc : 130128-03,01/22/13,01/22/13,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 30 16:12:50 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
Quant Title :
QLast Update : Tue Jan 29 15:58:03 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

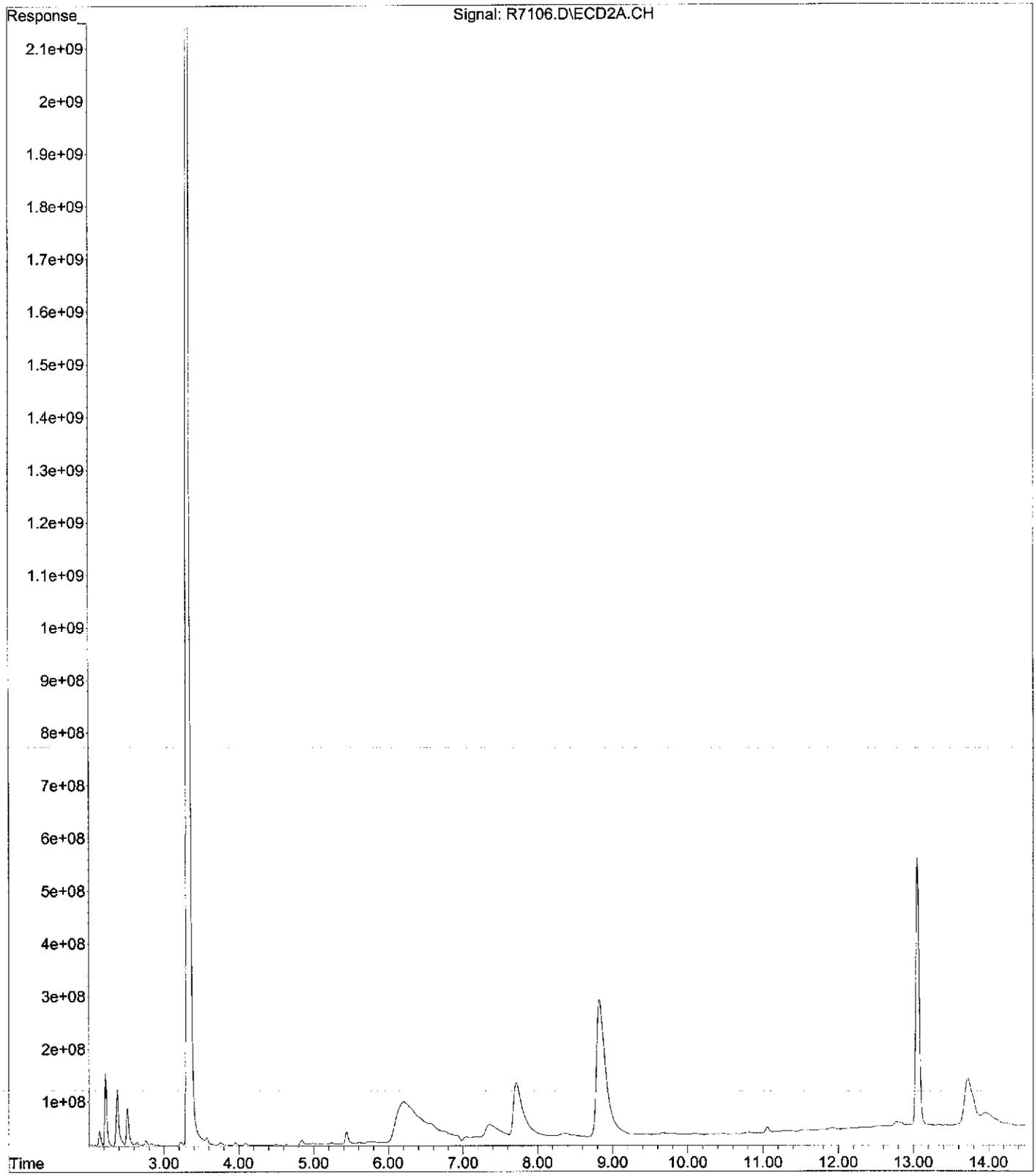
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



File : C:\MSDCHEM\1\DATA\01-29-13\R7106.D
Operator : JS
Acquired : 30 Jan 2013 2:49 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: FF-39(1.0-,00646-010,S,5.69g,86.1,01/28/13,4
Misc Info : 130128-03,01/22/13,01/22/13,1
Vial Number: 35



File : C:\MSDCHEM\1\DATA\01-29-13\R7106.D
Operator : JS
Acquired : 30 Jan 2013 2:49 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: FF-39(1.0-, 00646-010, S, 5.69g, 86.1, 01/28/13, 4
Misc Info : 130128-03, 01/22/13, 01/22/13, 1
Vial Number: 35



Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7107.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 30 Jan 2013 3:07
 Operator : JS
 Sample : FF-39(2.0-,00646-011,S,5.18g,29.8,01/28/13,4
 Misc : 130128-03,01/22/13,01/22/13,1
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 30 14:59:55 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

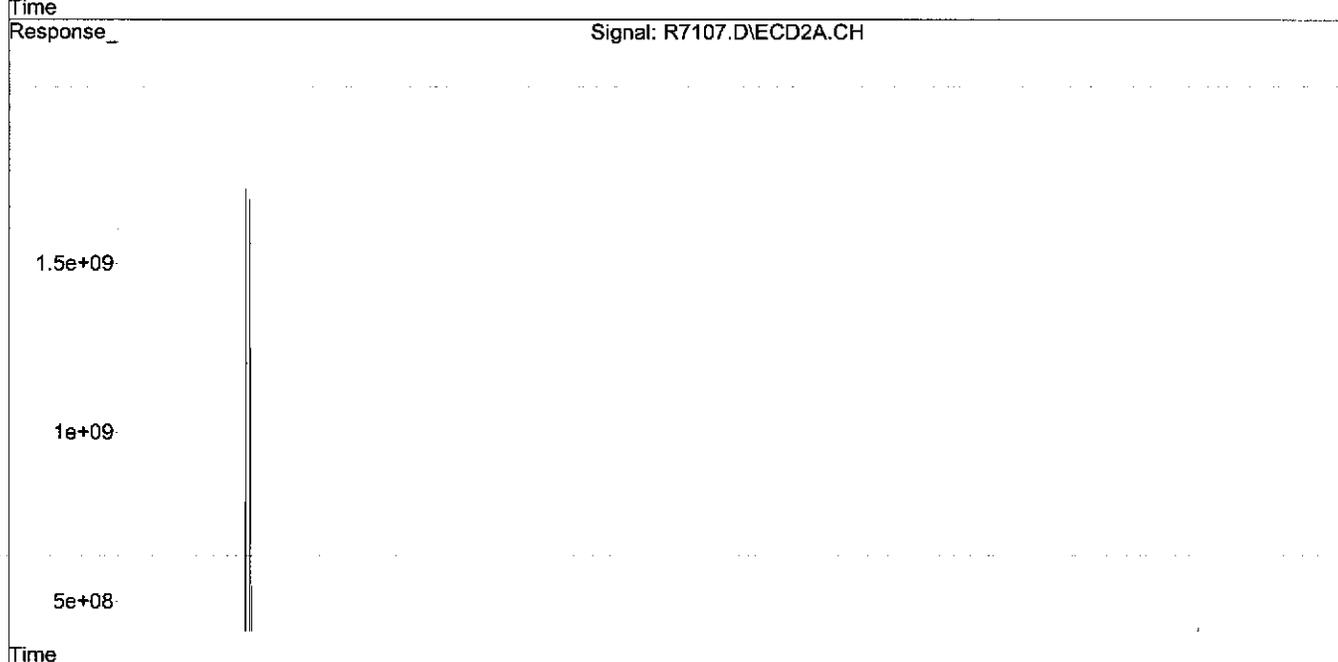
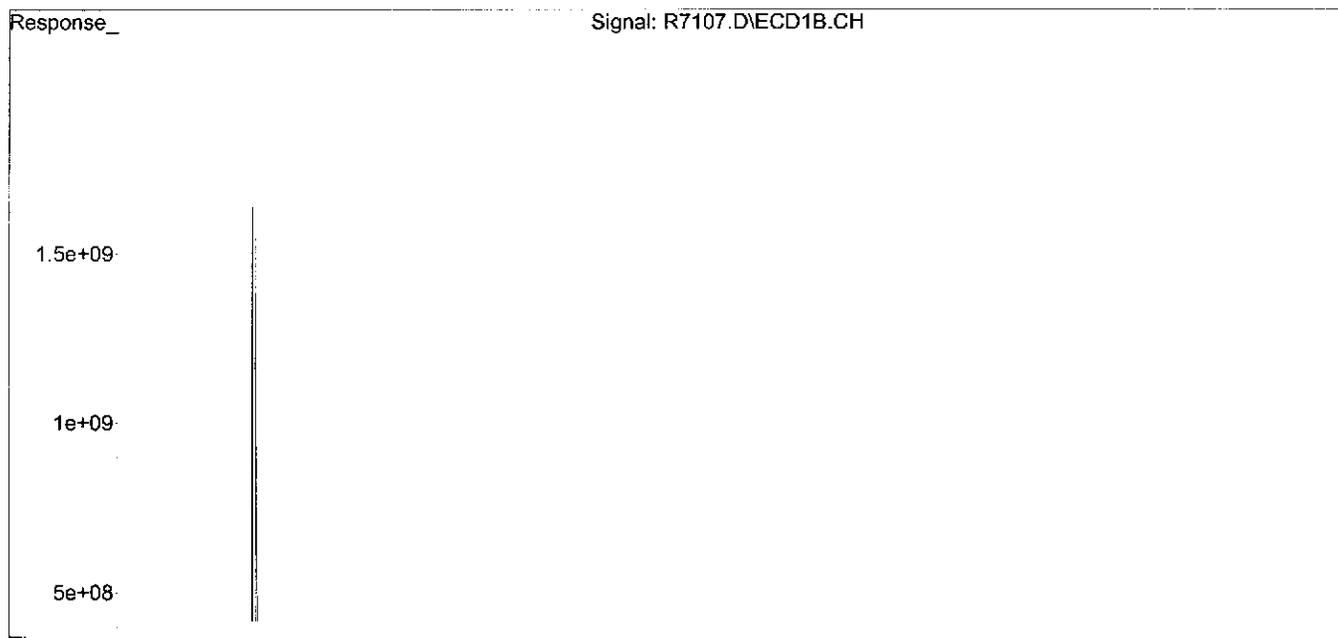
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.39	3.33	57857.6E6	73799.9E6	227.789	222.112
Spiked Amount	200.000				Recovery = 113.89%	111.06%
2) S DCB	12.99	13.06	8763.5E6	14137.0E6	203.435	269.872 #
Spiked Amount	200.000				Recovery = 101.72%	134.94%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

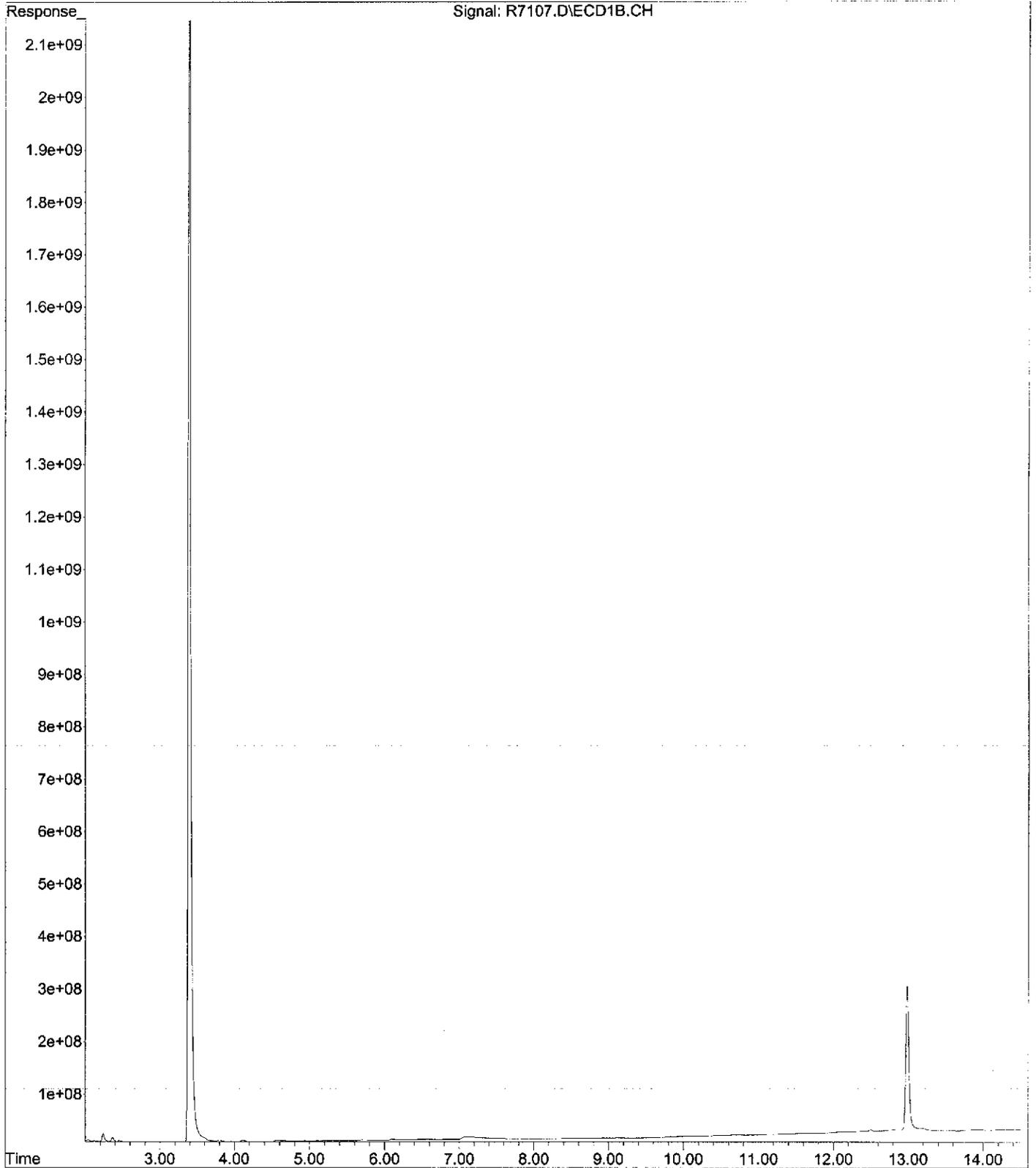
Data Path : C:\MSDCHEM\1\DATA\01-29-13\
Data File : R7107.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jan 2013 3:07
Operator : JS
Sample : FF-39(2.0-,00646-011,S,5.18g,29.8,01/28/13,4
Misc : 130128-03,01/22/13,01/22/13,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 30 14:59:55 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
Quant Title :
QLast Update : Tue Jan 29 15:58:03 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

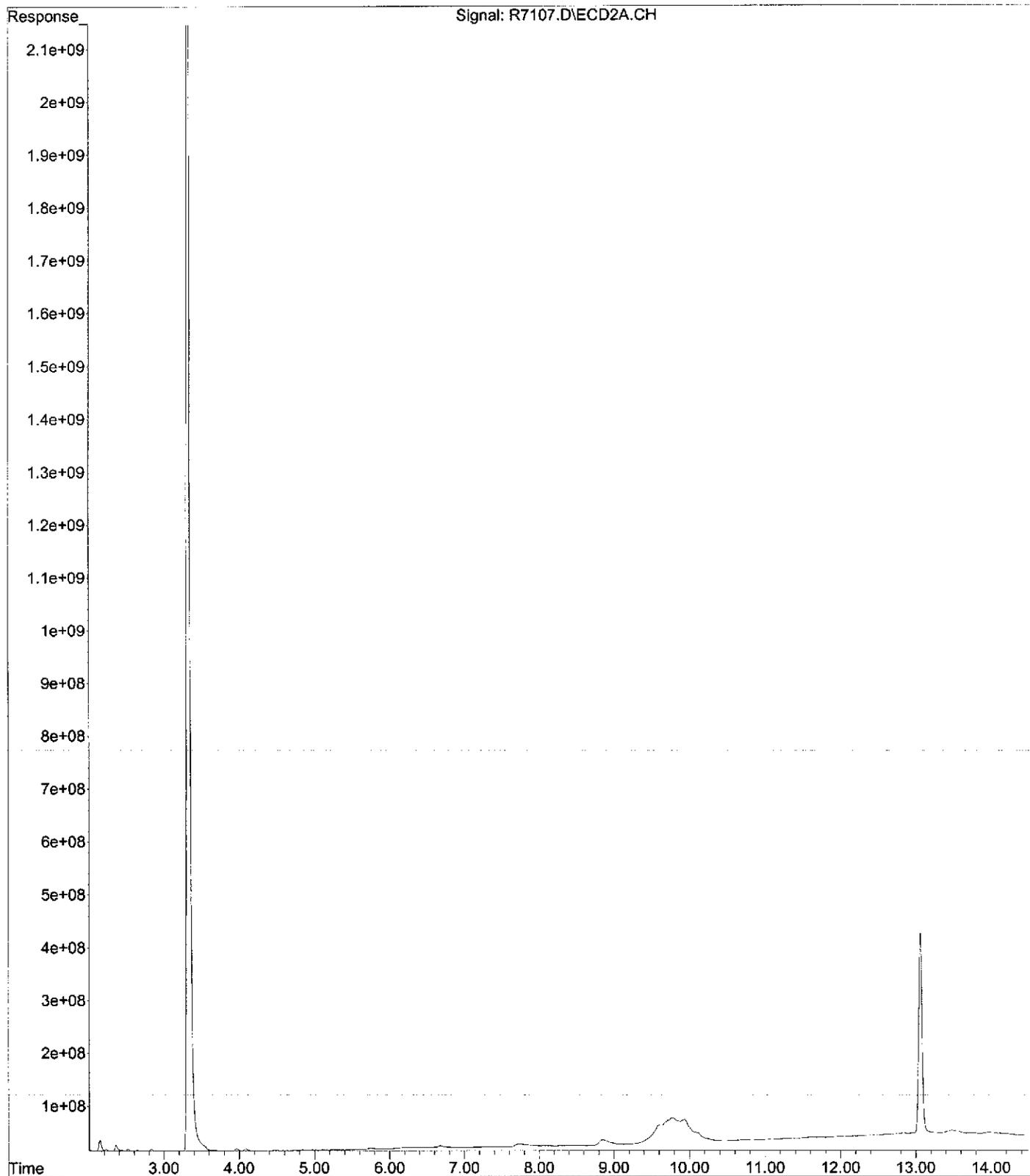
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



File : C:\MSDCHEM\1\DATA\01-29-13\R7107.D
Operator : JS
Acquired : 30 Jan 2013 3:07 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: FF-39(2.0-,00646-011,S,5.18g,29.8,01/28/13,4
Misc Info : 130128-03,01/22/13,01/22/13,1
Vial Number: 36



File : C:\MSDCHEM\1\DATA\01-29-13\R7107.D
Operator : JS
Acquired : 30 Jan 2013 3:07 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: FF-39(2.0-,00646-011,S,5.18g,29.8,01/28/13,4
Misc Info : 130128-03,01/22/13,01/22/13,1
Vial Number: 36



Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7108.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 30 Jan 2013 3:24
 Operator : JS
 Sample : FF-39(3.0-,00646-012,S,5.46g,23.4,01/28/13,4
 Misc : 130128-03,01/22/13,01/22/13,1
 ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 30 15:00:41 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

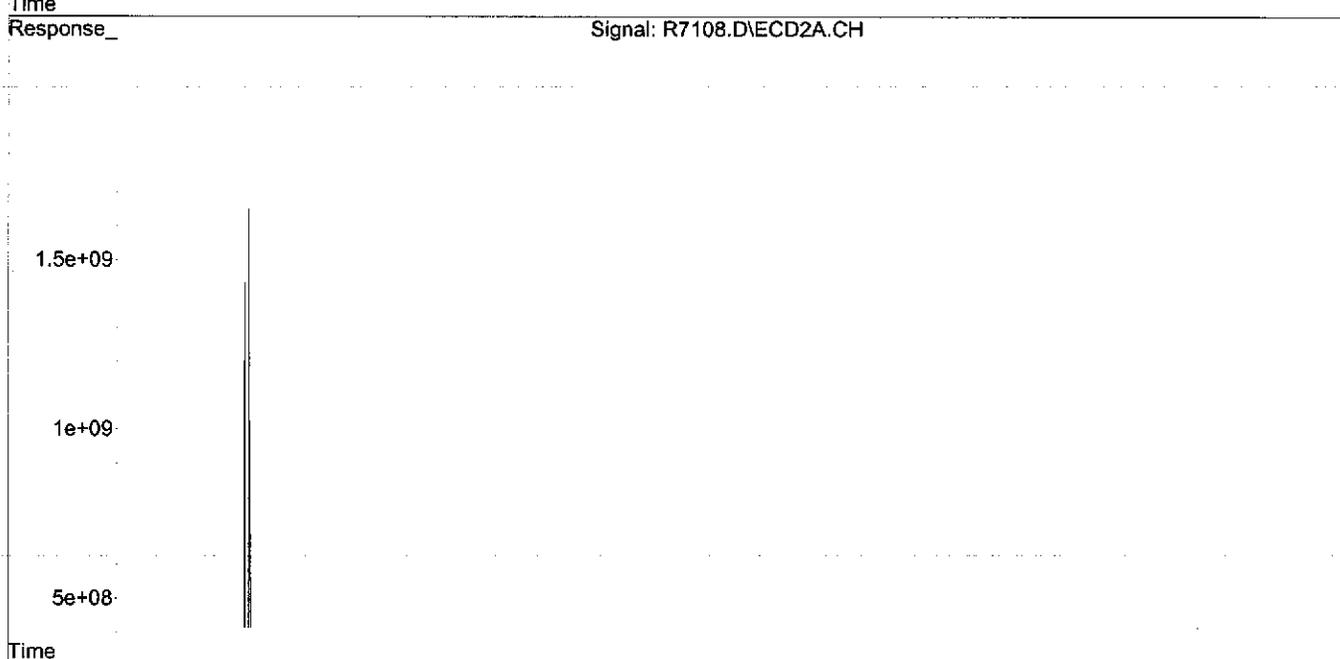
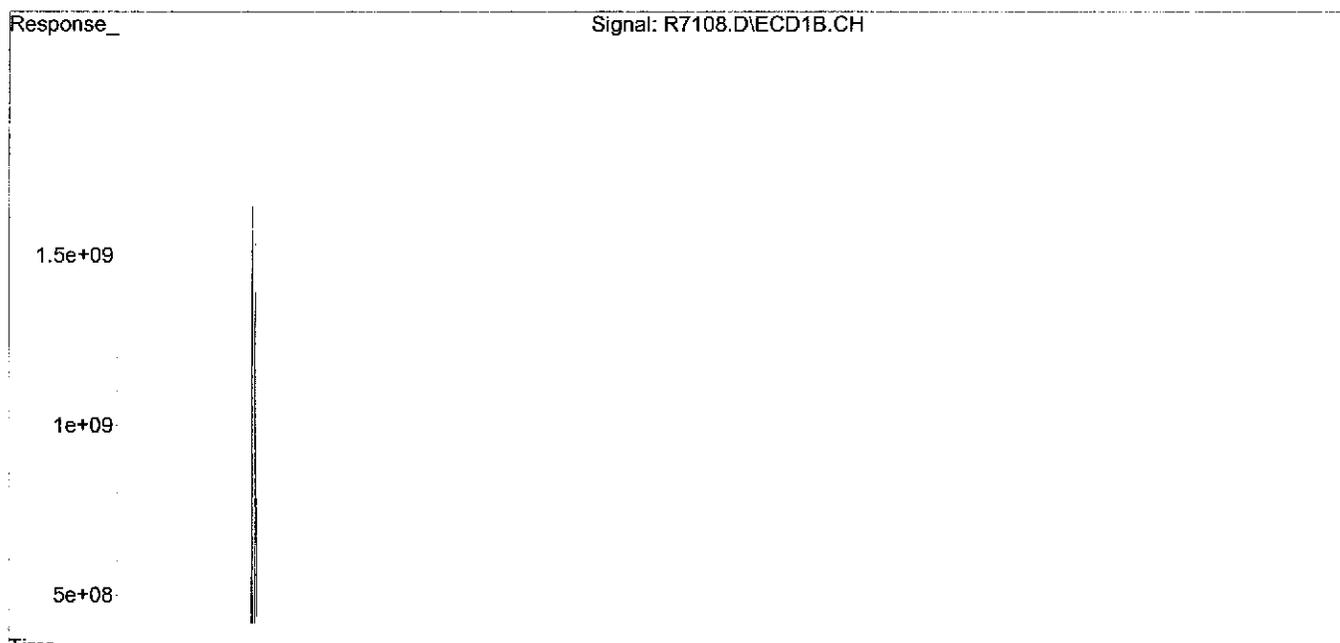
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.39	3.33	58194.7E6	73622.2E6	229.116	221.577
Spiked Amount	200.000			Recovery =	114.56%	110.79%
2) S DCB	12.99	13.06	9471.3E6	15432.4E6	219.866	294.600 #
Spiked Amount	200.000			Recovery =	109.93%	147.30%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

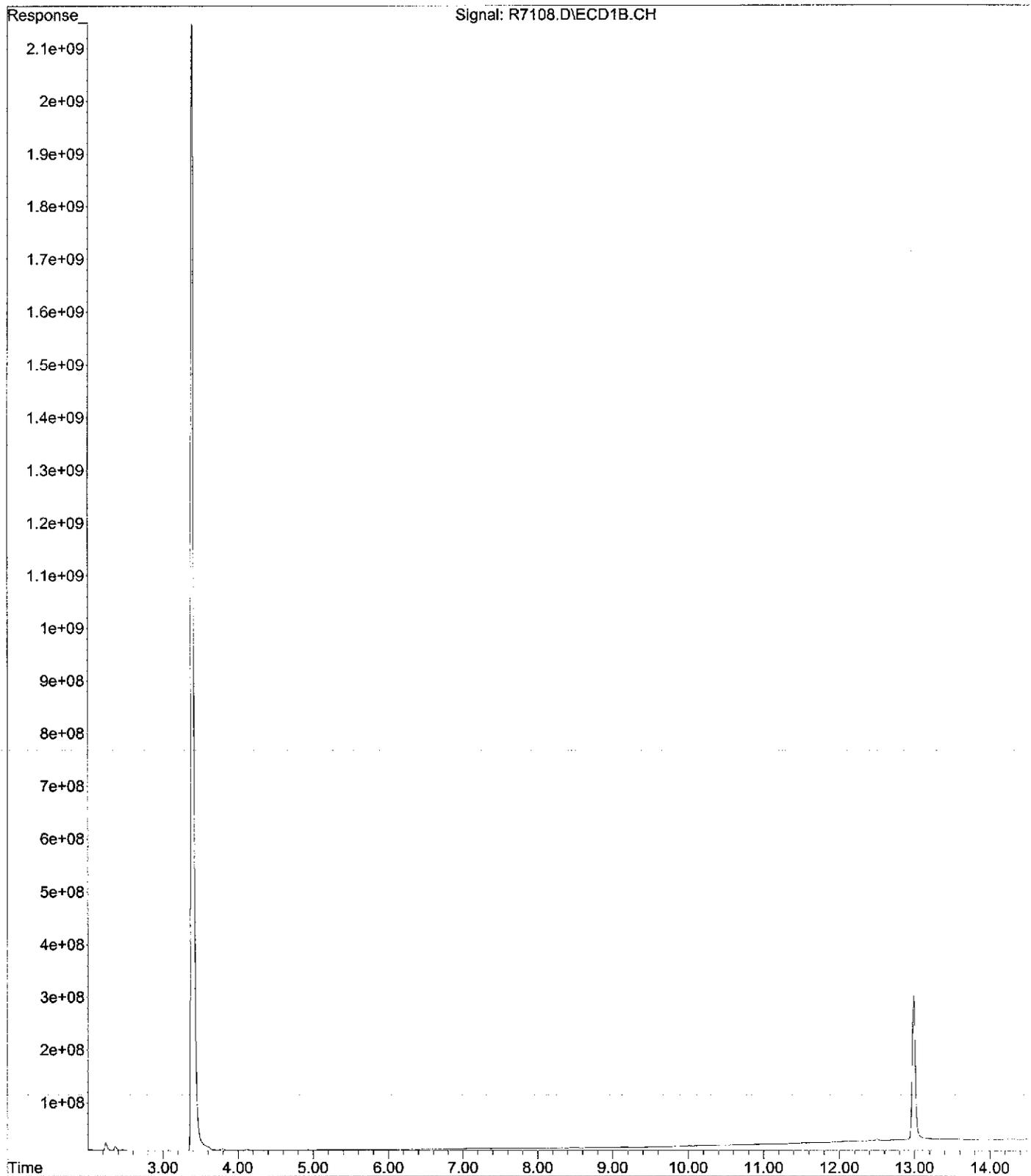
Data Path : C:\MSDCHEM\1\DATA\01-29-13\
Data File : R7108.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jan 2013 3:24
Operator : JS
Sample : FF-39(3.0-,00646-012,S,5.46g,23.4,01/28/13,4
Misc : 130128-03,01/22/13,01/22/13,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 30 15:00:41 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
Quant Title :
QLast Update : Tue Jan 29 15:58:03 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

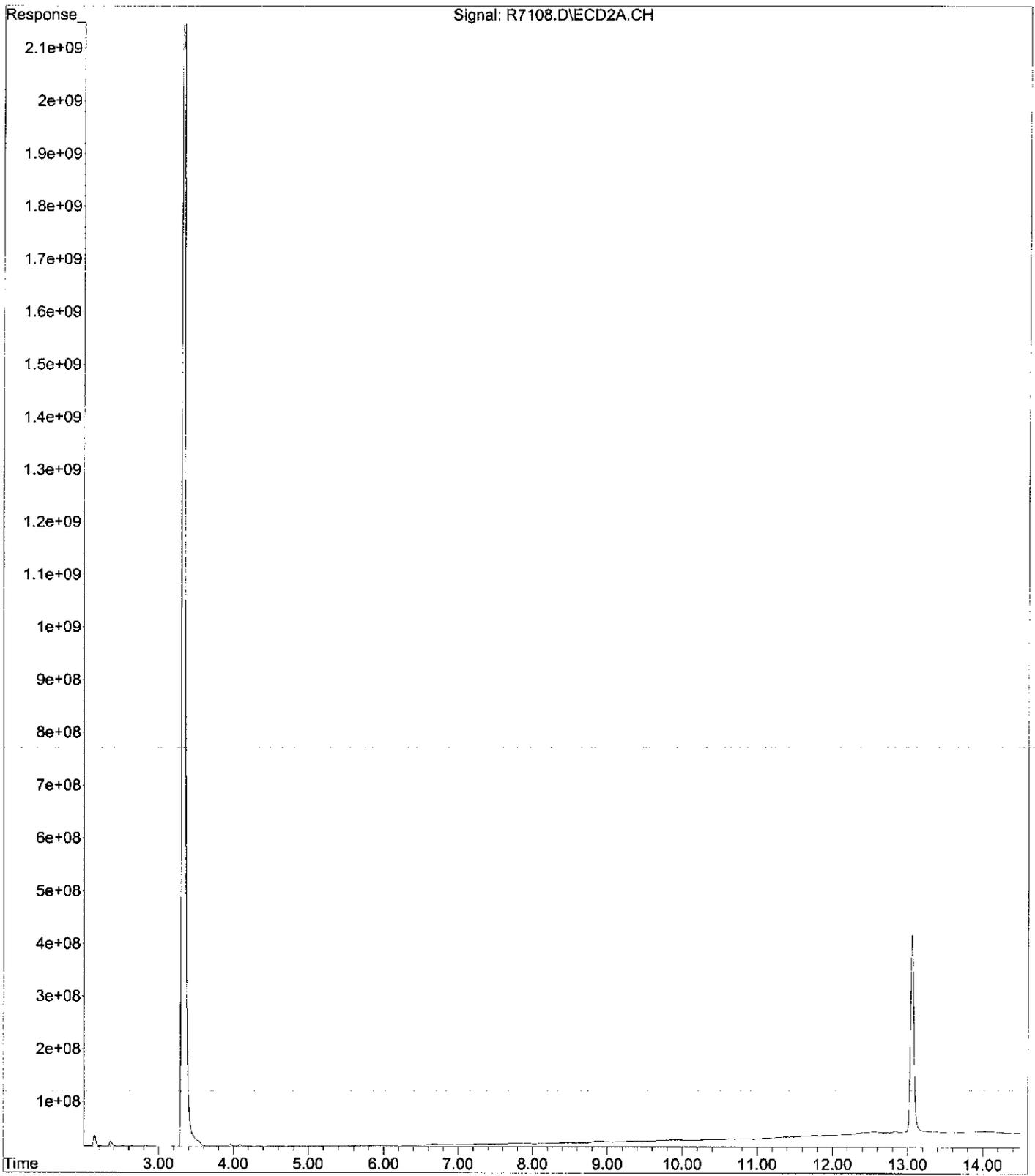
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



File : C:\MSDCHEM\1\DATA\01-29-13\R7108.D
Operator : JS
Acquired : 30 Jan 2013 3:24 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: FF-39(3.0-,00646-012,S,5.46g,23.4,01/28/13,4
Misc Info : 130128-03,01/22/13,01/22/13,1
Vial Number: 37



File : C:\MSDCHEM\1\DATA\01-29-13\R7108.D
Operator : JS
Acquired : 30 Jan 2013 3:24 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: FF-39(3.0-,00646-012,S,5.46g,23.4,01/28/13,4
Misc Info : 130128-03,01/22/13,01/22/13,1
Vial Number: 37



Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7109.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 30 Jan 2013 3:42
 Operator : JS
 Sample : FF-38(0-1.,00646-013,S,5.67g,28.4,01/28/13,4
 Misc : 130128-03,01/22/13,01/22/13,1
 ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 30 15:44:12 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

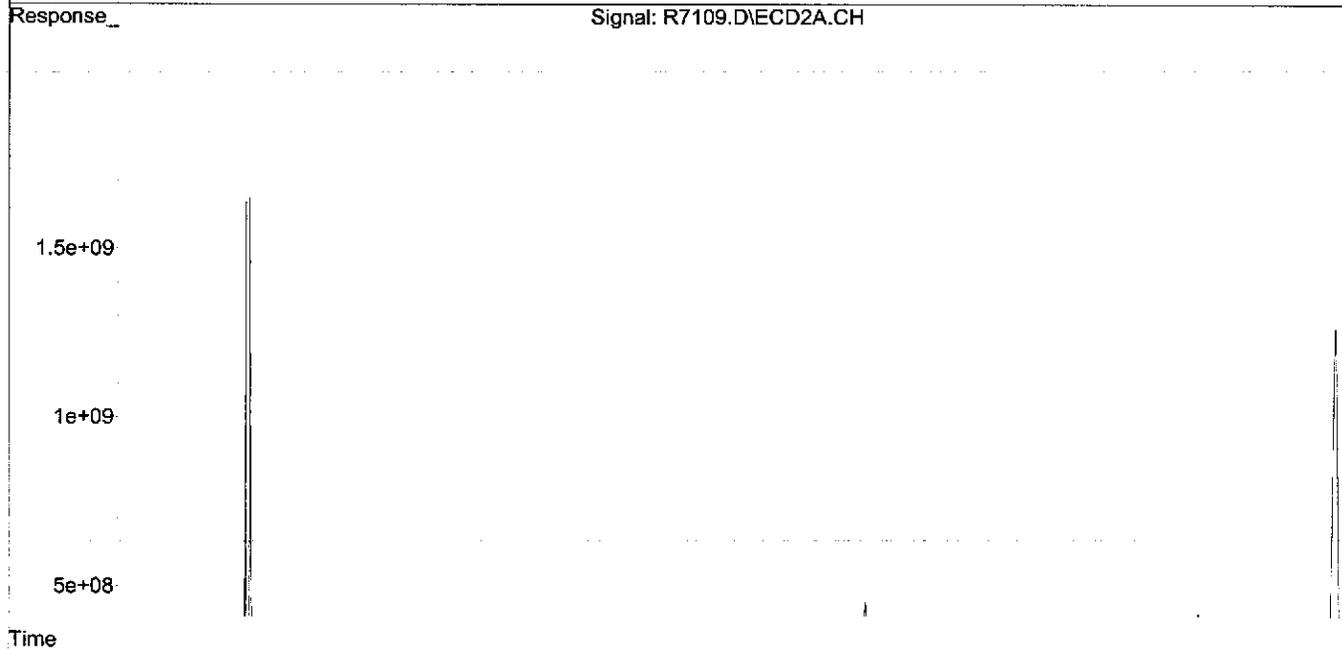
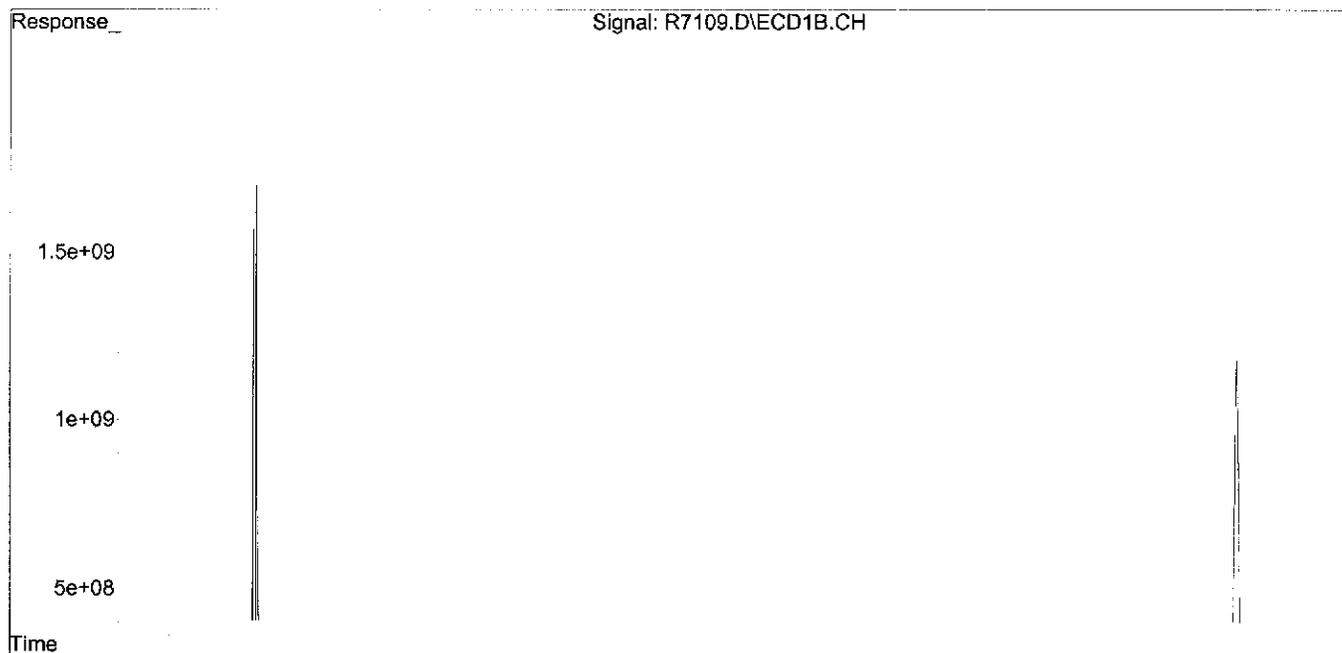
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.39	3.33	54690.2E6	70793.5E6	215.319	213.064
Spiked Amount	200.000			Recovery =	107.66%	106.53%
2) S DCB	12.99	13.06	8748.1E6	12480.1E6	203.078	238.242
Spiked Amount	200.000			Recovery =	101.54%	119.12%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	5.21	5.61	3546.1E6	4408.8E6	288.118	251.912
24) L6 Aroclor-1248 {2}	5.77	6.20	2337.7E6	6683.1E6	348.004	252.471 #
25) L6 Aroclor-1248 {3}	6.11	6.61	3500.1E6	6034.2E6	479.494	324.187 #
26) L6 Aroclor-1248 {4}	6.83	6.76	3631.8E6	4141.4E6	230.368	240.993
27) L6 Aroclor-1248 {5}	0.00	7.13	0	1443.3E6	N.D.	162.396 #
Sum Aroclor-1248			13015.7E6	22710.7E6	1345.984	1231.959
Average Aroclor-1248					336.496	246.392
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

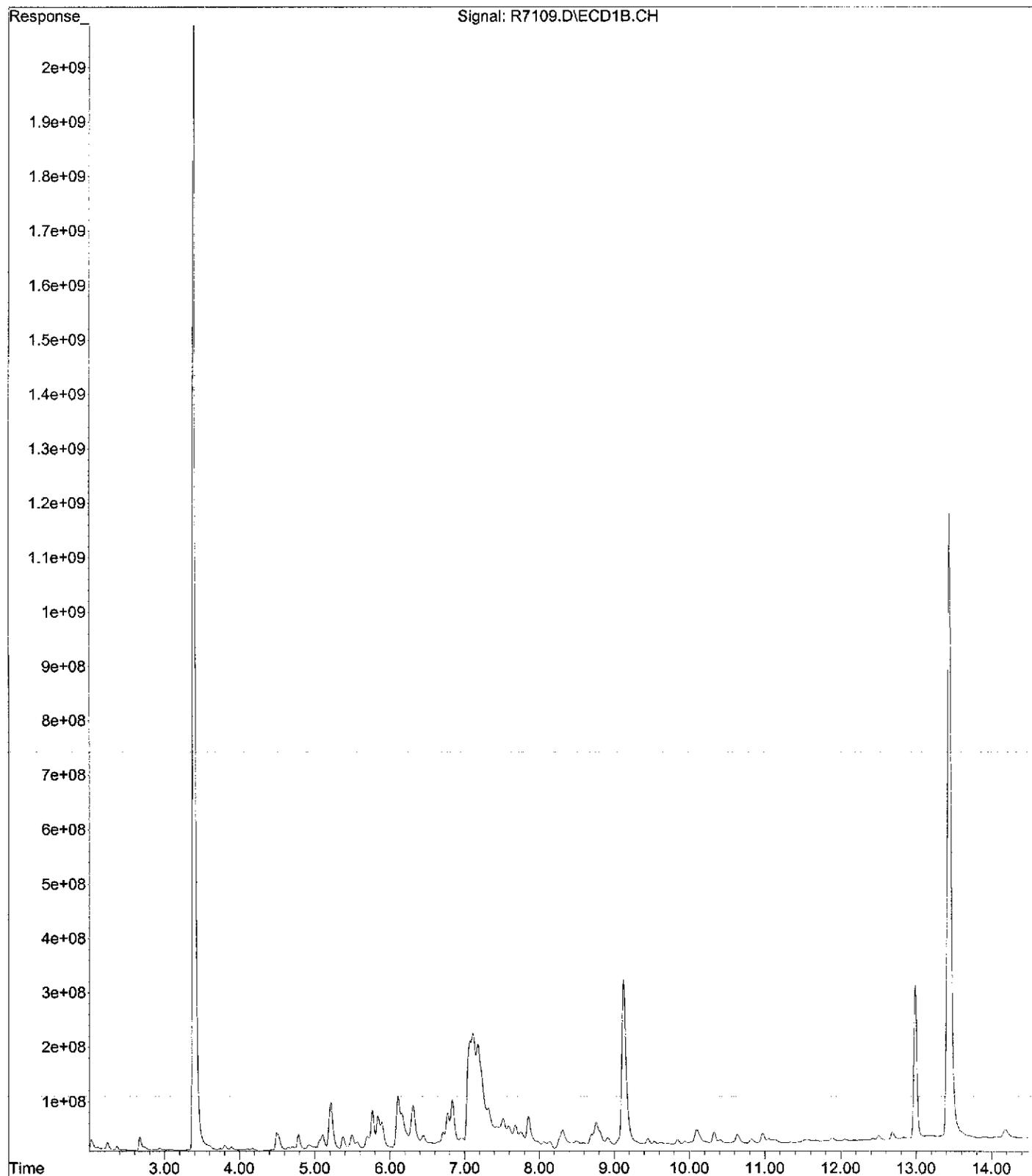
Data Path : C:\MSDCHEM\1\DATA\01-29-13\
Data File : R7109.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jan 2013 3:42
Operator : JS
Sample : FF-38(0-1.,00646-013,S,5.67g,28.4,01/28/13,4
Misc : 130128-03,01/22/13,01/22/13,1
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 30 15:44:12 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
Quant Title :
QLast Update : Tue Jan 29 15:58:03 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

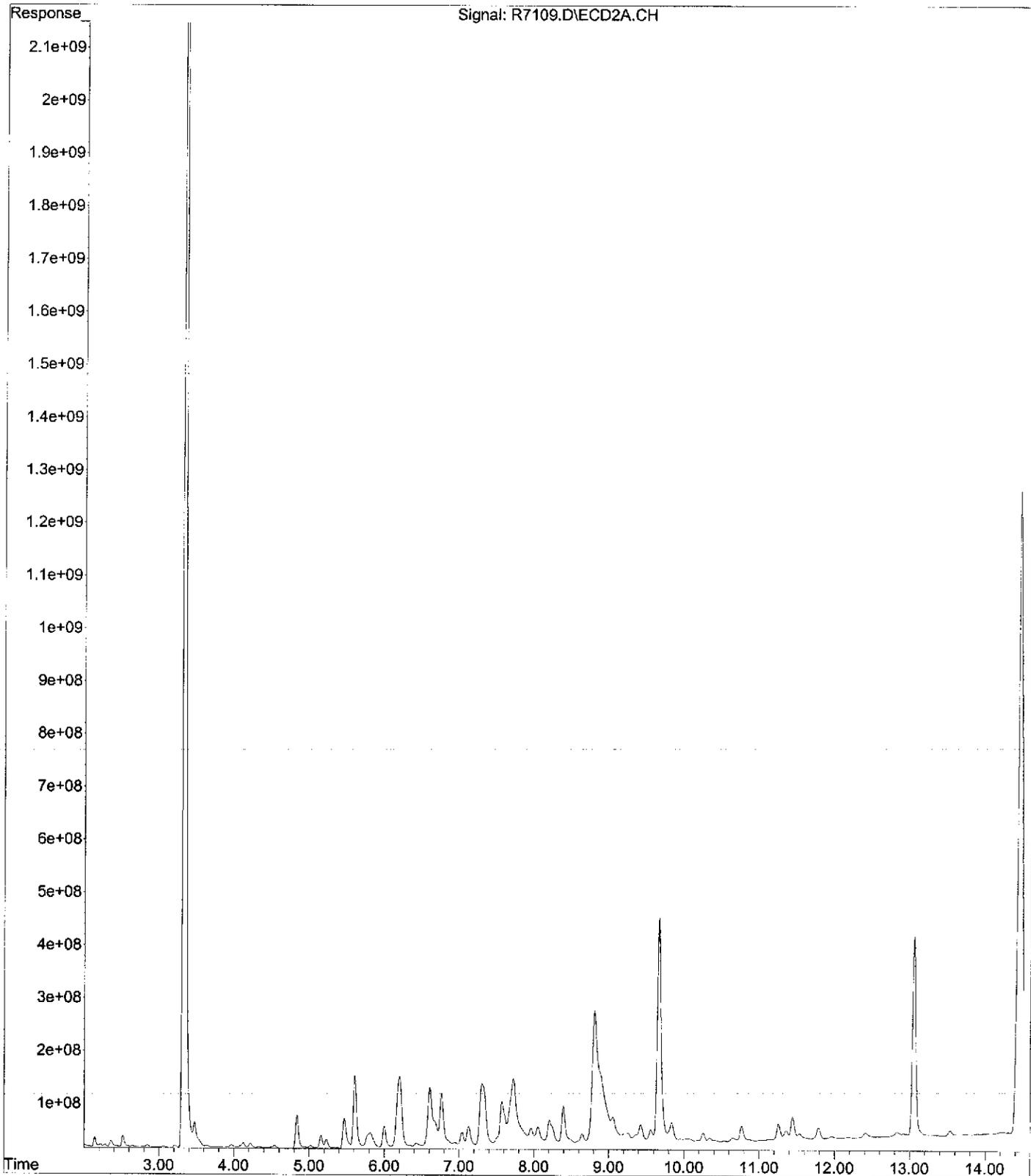
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



File : C:\MSDCHEM\1\DATA\01-29-13\R7109.D
Operator : JS
Acquired : 30 Jan 2013 3:42 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: FF-38(0-1.,00646-013,S,5.67g,28.4,01/28/13,4
Misc Info : 130128-03,01/22/13,01/22/13,1
Vial Number: 38



File : C:\MSDCHEM\1\DATA\01-29-13\R7109.D
Operator : JS
Acquired : 30 Jan 2013 3:42 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: FF-38(0-1.,00646-013,S,5.67g,28.4,01/28/13,4
Misc Info : 130128-03,01/22/13,01/22/13,1
Vial Number: 38



Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7110.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 30 Jan 2013 3:59
 Operator : JS
 Sample : FF-38(1.0-,00646-014,S,5.69g,52.2,01/28/13,4
 Misc : 130128-03,01/22/13,01/22/13,1
 ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 30 15:09:32 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

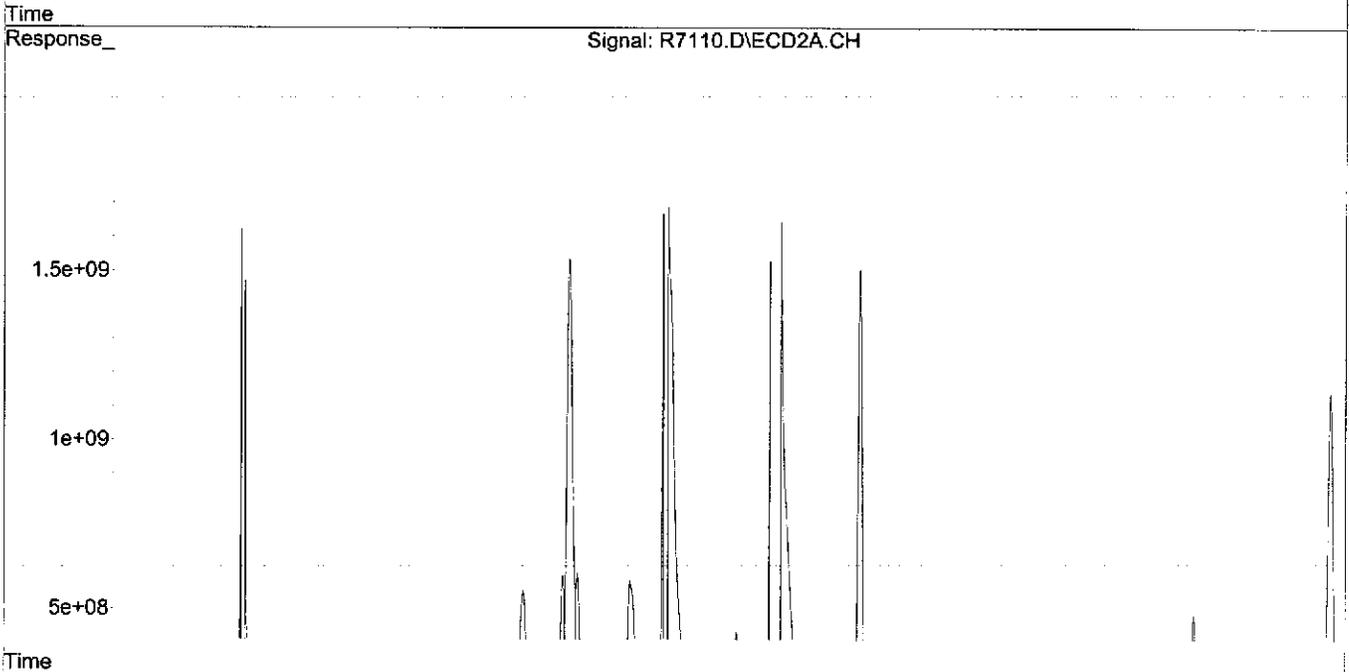
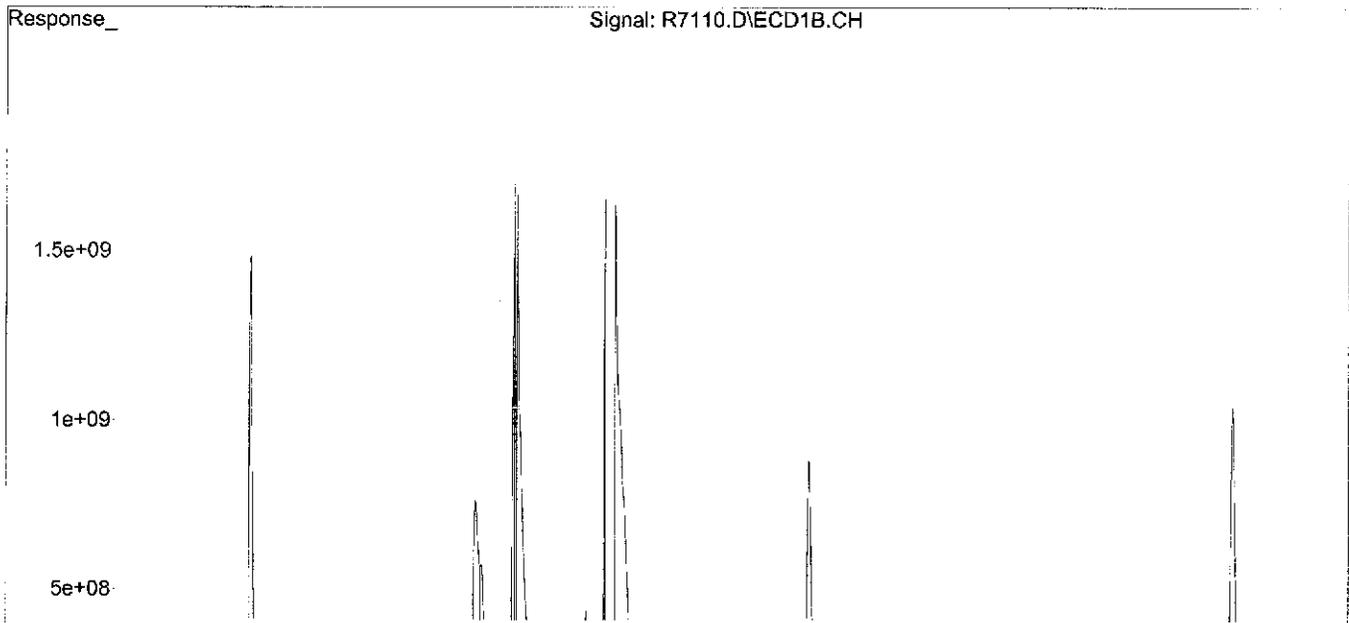
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.39	3.33	38115.8E6	66572.2E6	150.064	200.359 #
Spiked Amount	200.000		Recovery	=	75.03%	100.18%
2) S DCB	12.98	13.06	9532.8E6	14036.7E6	221.295	267.957
Spiked Amount	200.000		Recovery	=	110.65%	133.98%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	5.21	5.61	7051.3E6	8043.6E6	572.924	459.597
24) L6 Aroclor-1248 {2}	5.76	6.20	9021.3E6	31056.1E6	1342.985m	1173.220
25) L6 Aroclor-1248 {3}	0.00	6.60	0	18056.0E6	N.D. d	970.064 #
26) L6 Aroclor-1248 {4}	6.83	6.76	14046.8E6	25354.1E6	890.993	1475.395 #
27) L6 Aroclor-1248 {5}	0.00	7.12	0	6359.2E6	N.D. d	715.545 #
Sum Aroclor-1248			30119.4E6	88869.0E6	2806.901	4793.822
Average Aroclor-1248					935.634	958.764
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

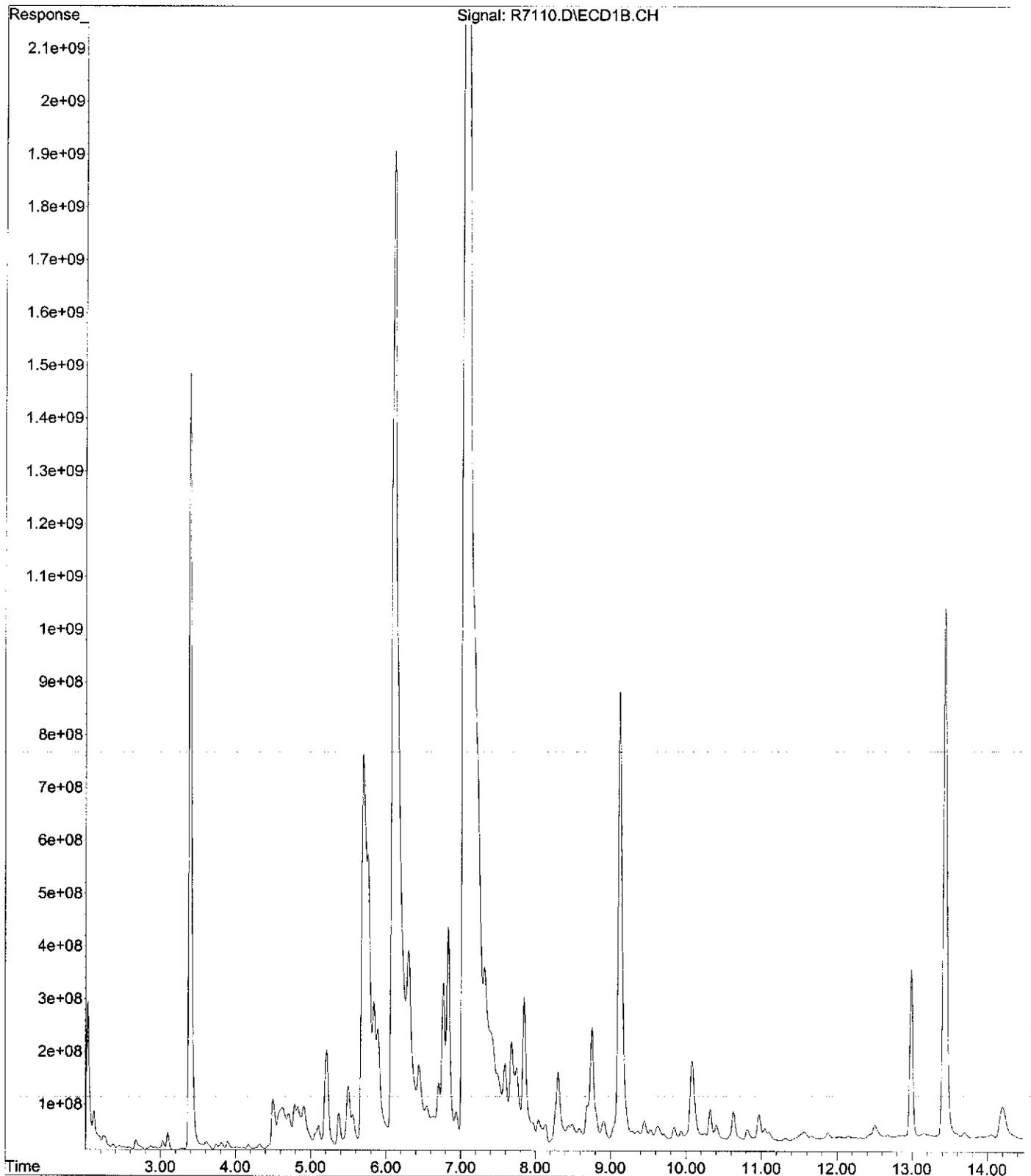
Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7110.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 30 Jan 2013 3:59
 Operator : JS
 Sample : FF-38(1.0-,00646-014,S,5.69g,52.2,01/28/13,4
 Misc : 130128-03,01/22/13,01/22/13,1
 ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 30 15:09:32 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

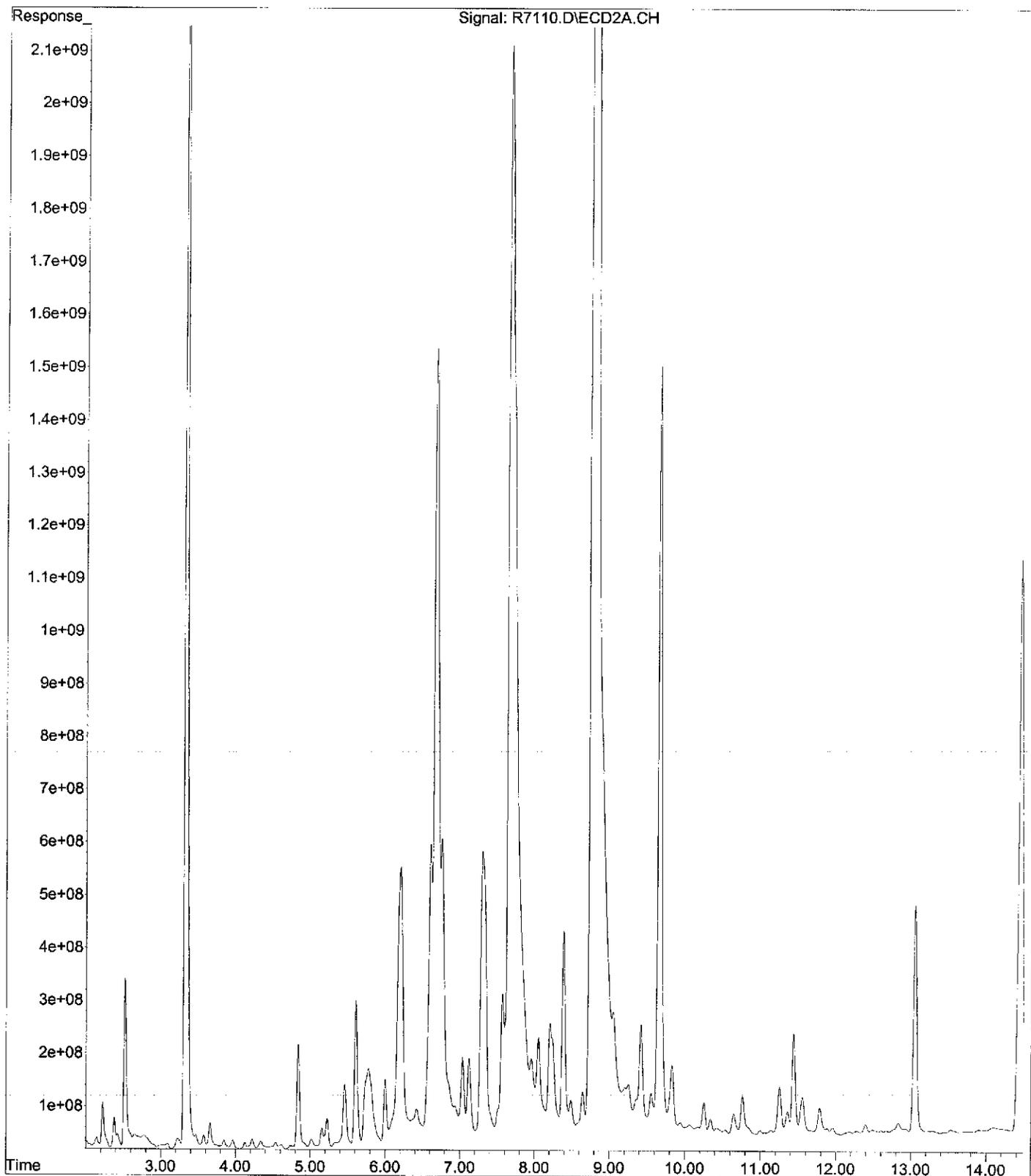
Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



File : C:\MSDCHEM\1\DATA\01-29-13\R7110.D
Operator : JS
Acquired : 30 Jan 2013 3:59 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: FF-38(1.0-,00646-014,S,5.69g,52.2,01/28/13,4
Misc Info : 130128-03,01/22/13,01/22/13,1
Vial Number: 39



File : C:\MSDCHEM\1\DATA\01-29-13\R7110.D
Operator : JS
Acquired : 30 Jan 2013 3:59 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: FF-38(1.0-,00646-014,S,5.69g,52.2,01/28/13,4
Misc Info : 130128-03,01/22/13,01/22/13,1
Vial Number: 39



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7111.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 30 Jan 2013 4:16
 Operator : JS
 Sample : FF-38(2.0-,00646-015,S,5.05g,62.4,01/28/13,4
 Misc : 130128-03,01/22/13,01/22/13,1
 ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 30 15:31:03 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

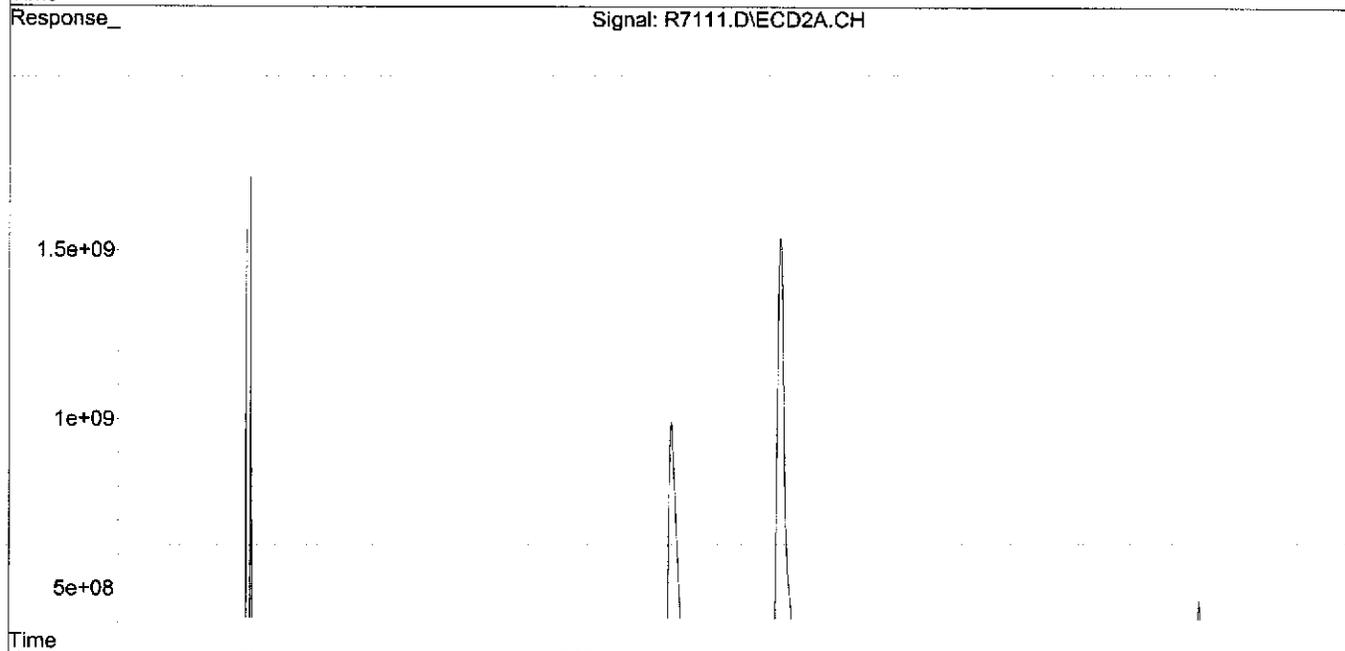
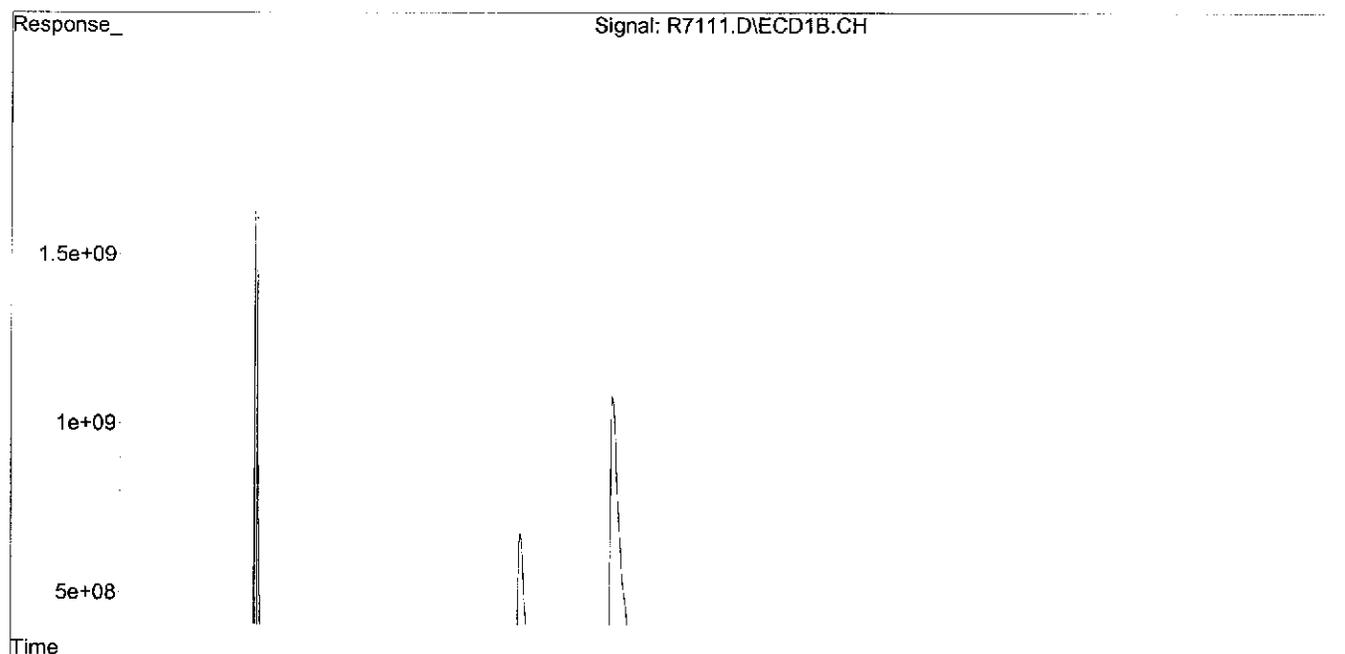
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.39	3.33	54924.3E6	76098.5E6	216.241	229.030
Spiked Amount	200.000			Recovery	= 108.12%	114.52%
2) S DCB	12.99	13.06	10249.4E6	13736.2E6	237.930	262.220
Spiked Amount	200.000			Recovery	= 118.97%	131.11%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	5.21	5.61	4066.1E6	3940.6E6	330.372	225.159 #
24) L6 Aroclor-1248 {2}	5.77	6.20	2086.0E6	7878.0E6	310.545	297.612m
25) L6 Aroclor-1248 {3}	0.00	6.60	0	8421.8E6	N.D. d	452.463 #
26) L6 Aroclor-1248 {4}	6.83	6.76	3176.5E6	4501.7E6	201.489	261.964 #
27) L6 Aroclor-1248 {5}	0.00	7.13	0	1154.3E6	N.D. d	129.881 #
Sum Aroclor-1248			9328.7E6	25896.5E6	842.407	1367.079
Average Aroclor-1248					280.802	273.416
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

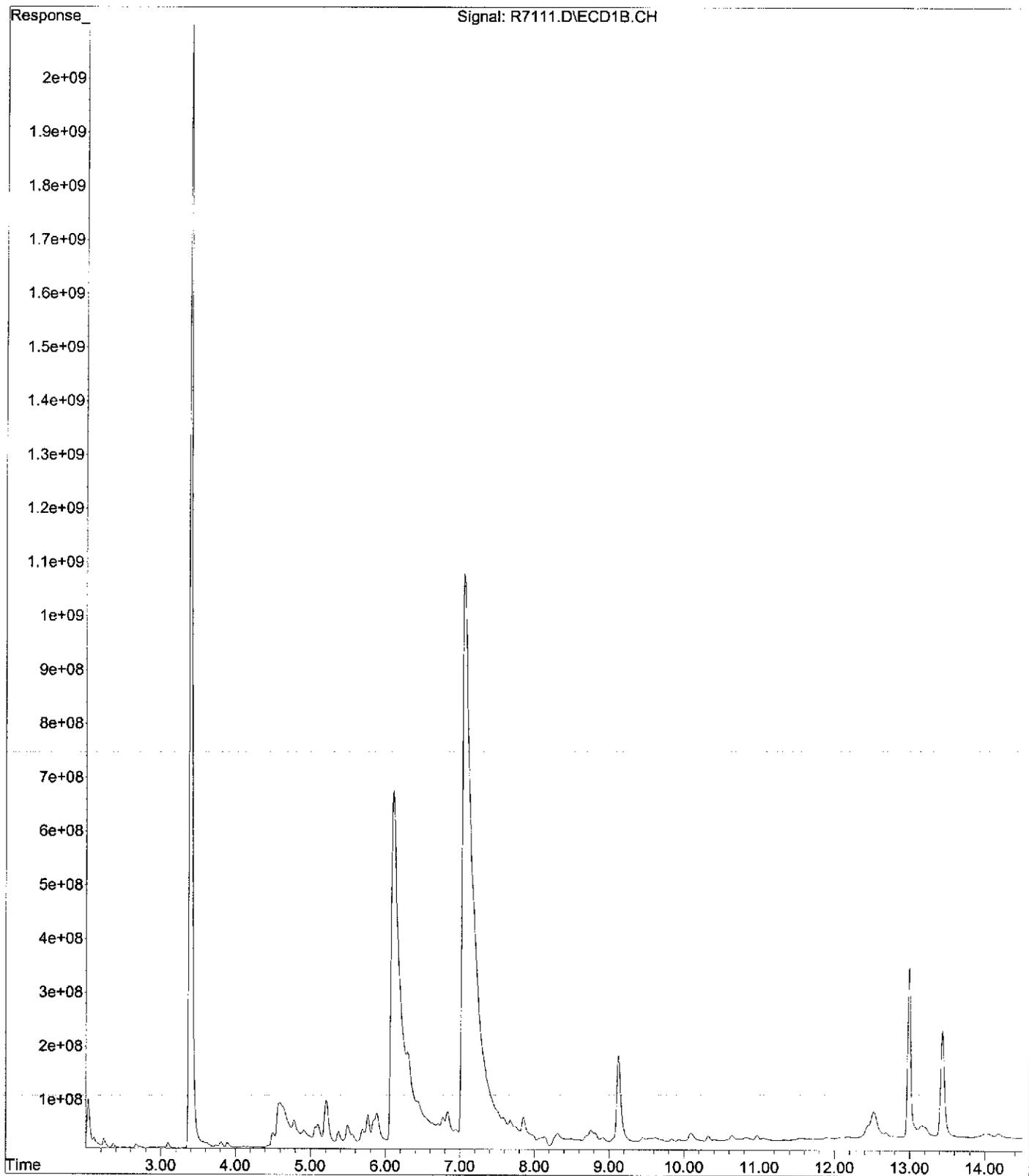
Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7111.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 30 Jan 2013 4:16
 Operator : JS
 Sample : FF-38(2.0-,00646-015,S,5.05g,62.4,01/28/13,4
 Misc : 130128-03,01/22/13,01/22/13,1
 ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 30 15:31:03 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

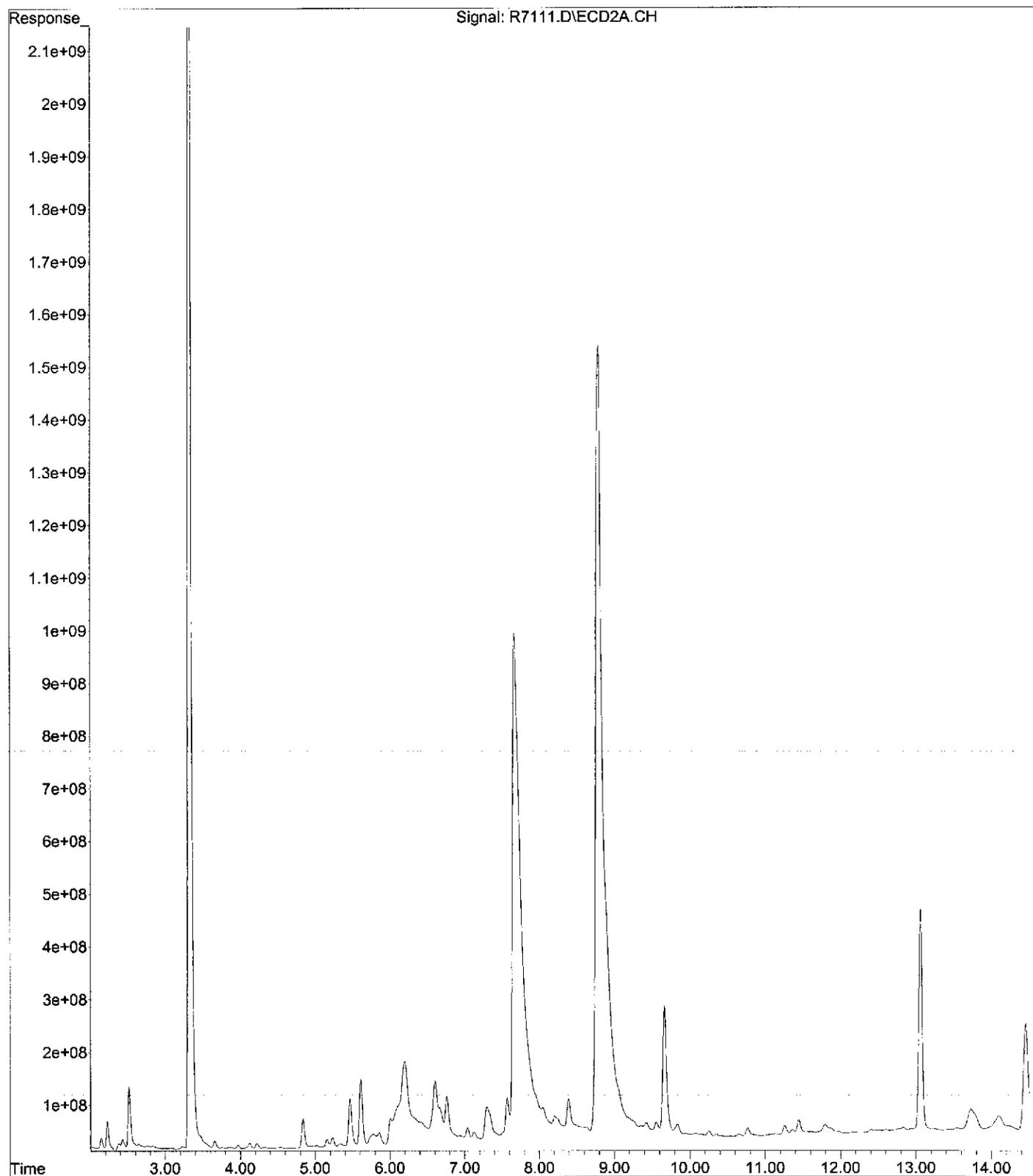
Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



File : C:\MSDCHEM\1\DATA\01-29-13\R7111.D
Operator : JS
Acquired : 30 Jan 2013 4:16 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: FF-38(2.0-,00646-015,S,5.05g,62.4,01/28/13,4
Misc Info : 130128-03,01/22/13,01/22/13,1
Vial Number: 40



File : C:\MSDCHEM\1\DATA\01-29-13\R7111.D
Operator : JS
Acquired : 30 Jan 2013 4:16 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: FF-38(2.0-, 00646-015, S, 5.05g, 62.4, 01/28/13, 4
Misc Info : 130128-03, 01/22/13, 01/22/13, 1
Vial Number: 40



Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7112.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 30 Jan 2013 4:34
 Operator : JS
 Sample : FF-38(3.0-,00646-016,S,5.28g,22.2,01/28/13,4
 Misc : 130128-03,01/22/13,01/22/13,1
 ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 30 15:34:36 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

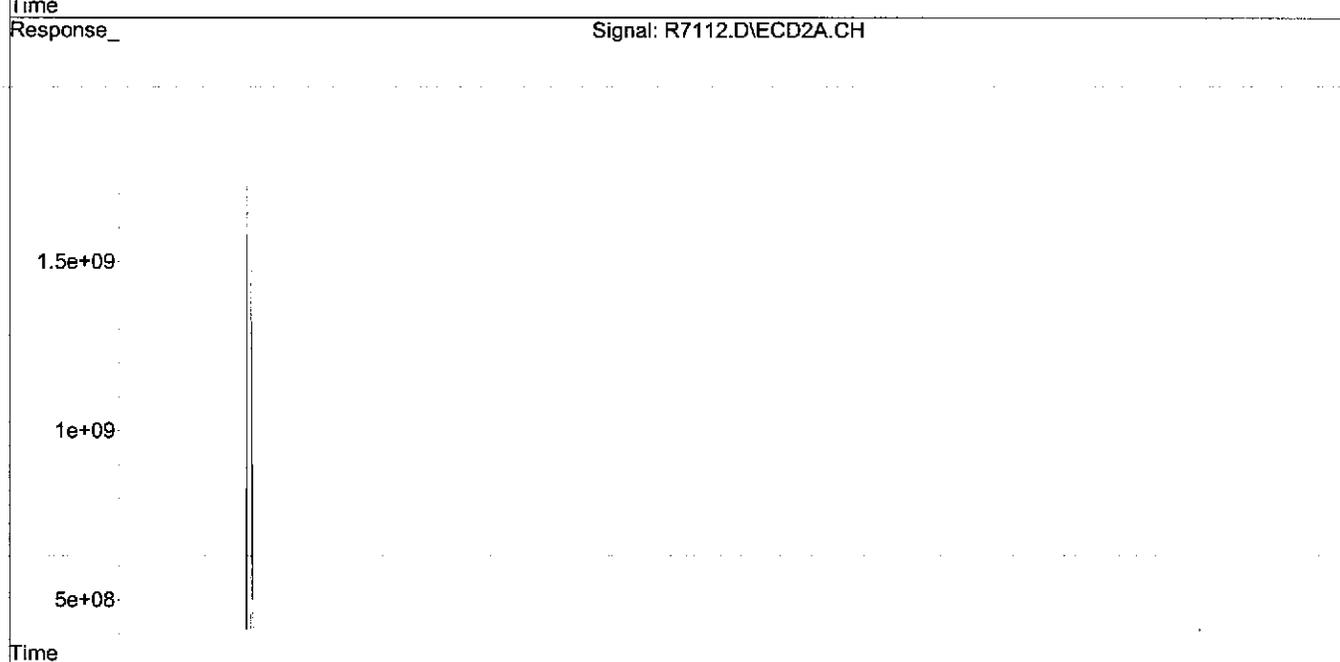
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.39	3.33	59037.7E6	75370.1E6	232.435	226.837
Spiked Amount	200.000					
				Recovery =	116.22%	113.42%
2) S DCB	12.99	13.06	11506.4E6	12973.1E6	267.109	247.653
Spiked Amount	200.000			Recovery =	133.55%	123.83%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

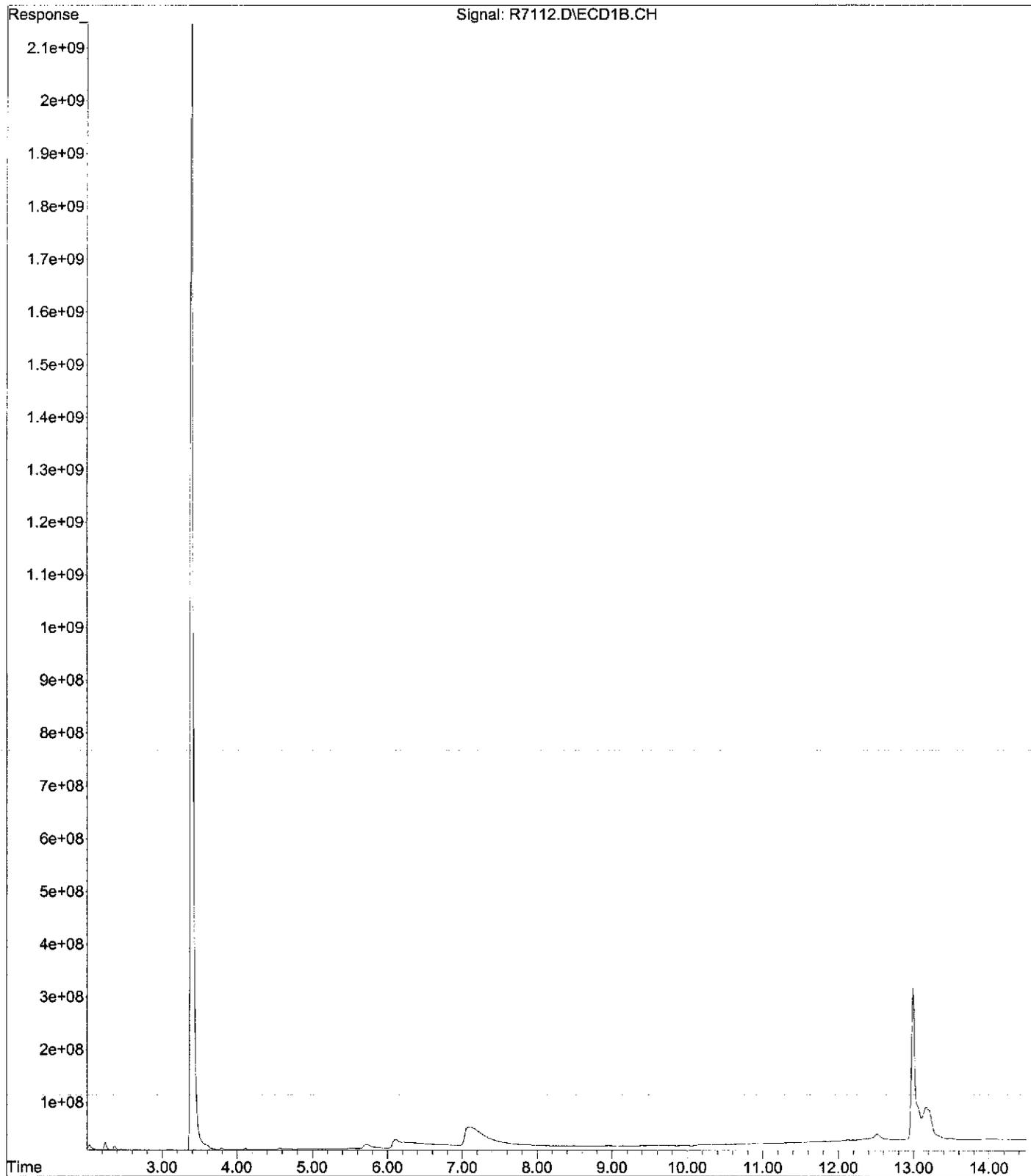
Data Path : C:\MSDCHEM\1\DATA\01-29-13\
Data File : R7112.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jan 2013 4:34
Operator : JS
Sample : FF-38(3.0-,00646-016,S,5.28g,22.2,01/28/13,4
Misc : 130128-03,01/22/13,01/22/13,1
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 30 15:34:36 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
Quant Title :
QLast Update : Tue Jan 29 15:58:03 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

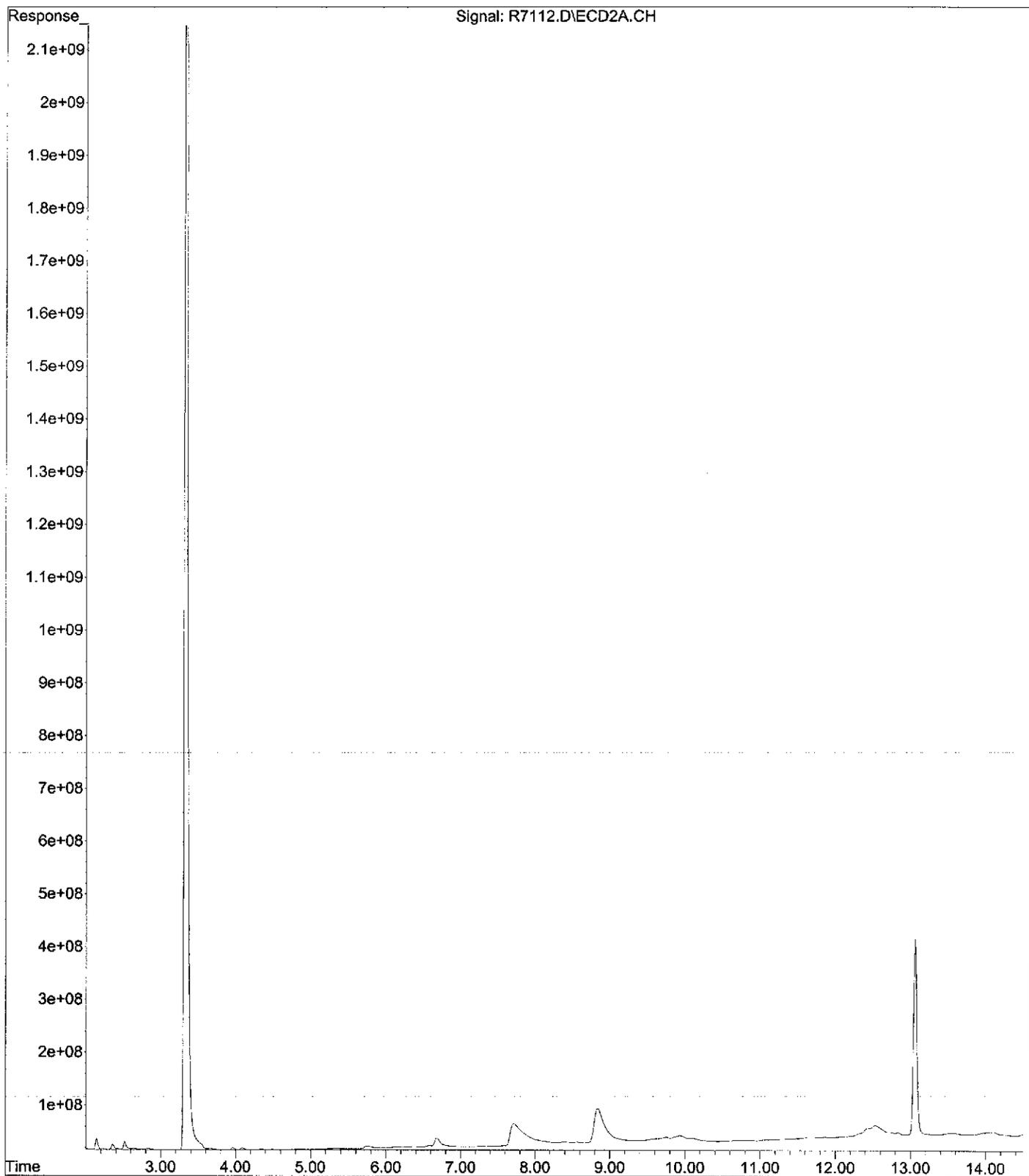
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



File : C:\MSDCHEM\1\DATA\01-29-13\R7112.D
Operator : JS
Acquired : 30 Jan 2013 4:34 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: FF-38(3.0-,00646-016,S,5.28g,22.2,01/28/13,4
Misc Info : 130128-03,01/22/13,01/22/13,1
Vial Number: 41



File : C:\MSDChem\1\DATA\01-29-13\R7112.D
Operator : JS
Acquired : 30 Jan 2013 4:34 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: FF-38(3.0-,00646-016,S,5.28g,22.2,01/28/13,4
Misc Info : 130128-03,01/22/13,01/22/13,1
Vial Number: 41



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-30-13\
 Data File : R7118.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 30 Jan 2013 10:15
 Operator : JS
 Sample : CC-42(R) (0,00646-017,S,5.29g,81.4,01/29/13,4
 Misc : 130129-05,01/22/13,01/22/13,5
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 31 11:02:13 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.39	3.33	15172.9E6	25943.2E6	59.737m	78.080 #
Spiked Amount	200.000			Recovery =	29.87%	39.04%
2) S DCB	12.99	13.06	2274.7E6	3798.6E6	52.805	72.513 #
Spiked Amount	200.000			Recovery =	26.40%	36.26%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	5.21	5.62	13839.3E6	21659.2E6	1124.451	1237.565
24) L6 Aroclor-1248 {2}	5.76	6.21	4233.0E6	20917.9E6	630.154	790.223 #
25) L6 Aroclor-1248 {3}	6.10	6.61	4068.8E6	11634.9E6	557.395	625.090
26) L6 Aroclor-1248 {4}	6.83	6.77	5772.3E6	6926.8E6	366.140	403.082
27) L6 Aroclor-1248 {5}	7.12	7.13	2482.9E6	1817.0E6	257.992	204.447
Sum Aroclor-1248			30396.3E6	62955.8E6	2936.132	3260.407
Average Aroclor-1248					587.226	652.081
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

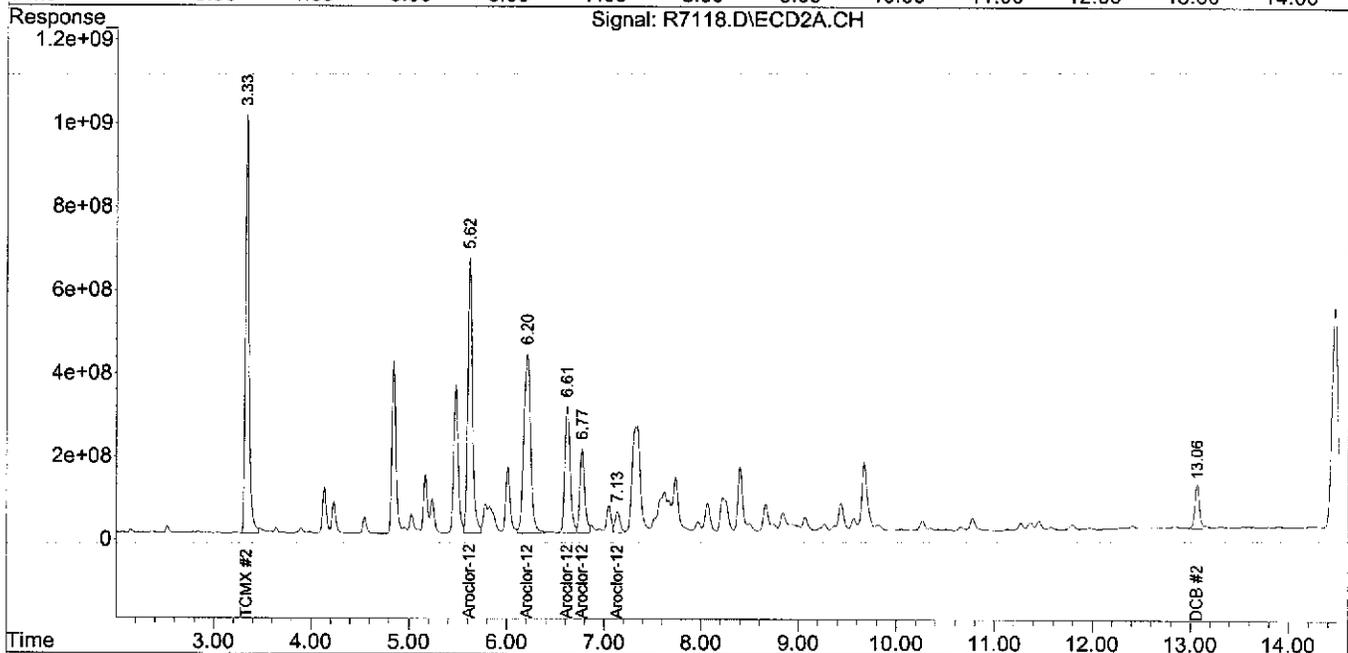
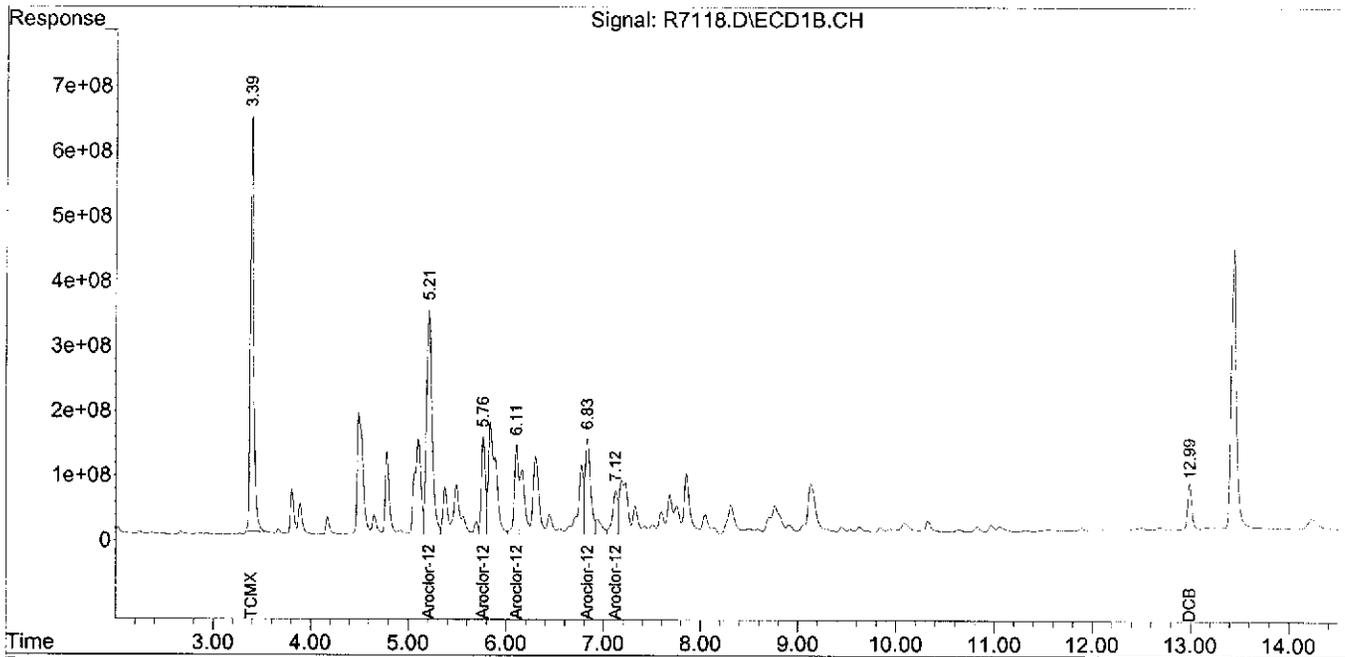
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-30-13\
 Data File : R7118.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 30 Jan 2013 10:15
 Operator : JS
 Sample : CC-42(R) (0,00646-017,S,5.29g,81.4,01/29/13,4
 Misc : 130129-05,01/22/13,01/22/13,5
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 31 11:02:13 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7079.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Jan 2013 18:25
 Operator : JS
 Sample : CC-42(R) (1,00646-018,S,5.80g,84.7,01/29/13,4
 Misc : 130129-05,01/22/13,01/22/13,1
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 31 10:54:59 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

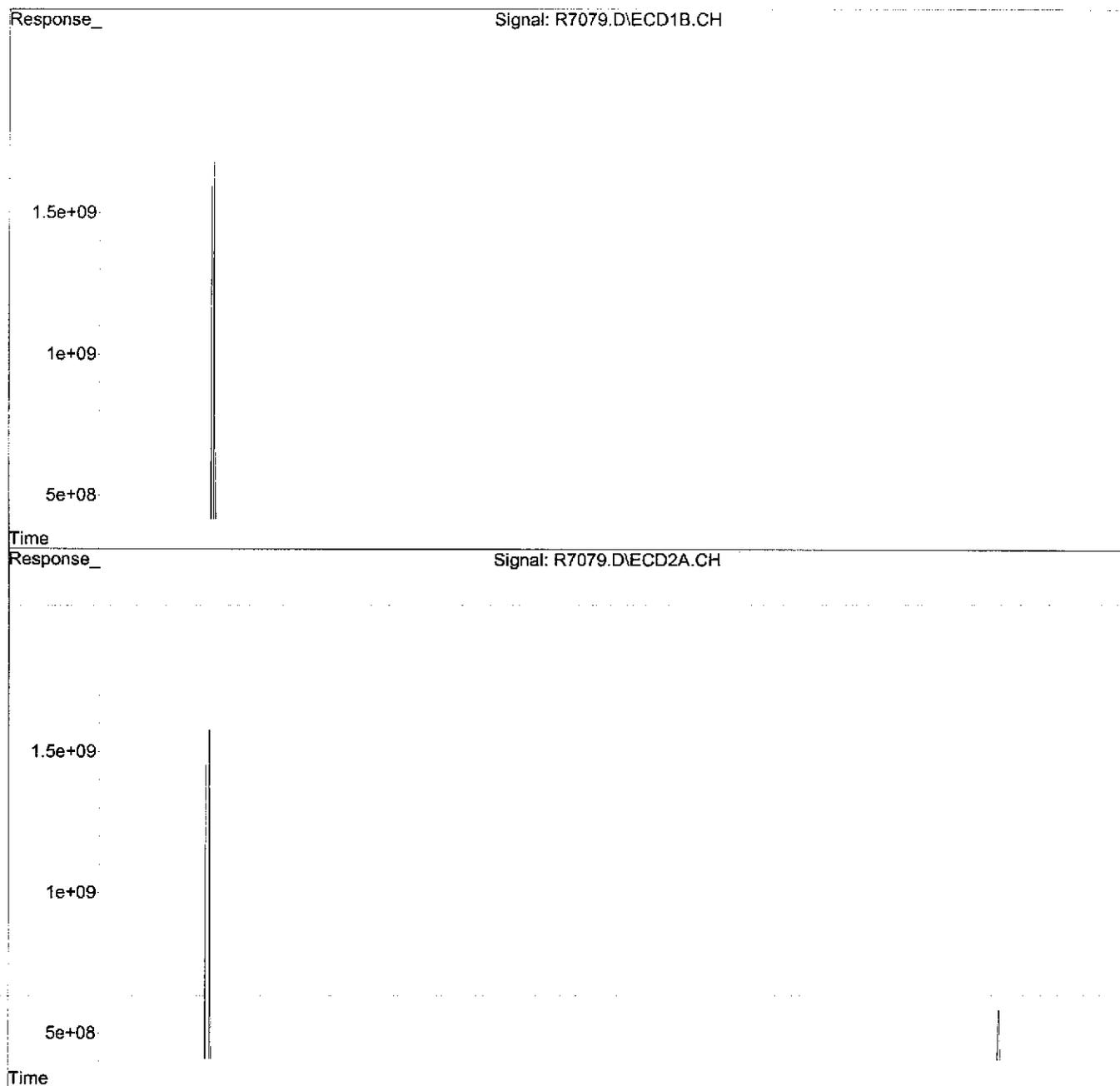
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.39	3.34	56964.1E6	78656.6E6	224.271	236.729
Spiked Amount	200.000			Recovery =	112.14%	118.36%
2) S DCB	12.99	13.06	12242.9E6	15570.1E6	284.206	297.228m
Spiked Amount	200.000			Recovery =	142.10%	148.61%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.78	5.23	2146.6E6	2060.1E6	393.233m	381.940
19) L5 Aroclor-1242 {2}	5.76	6.00	1424.6E6	2663.2E6	402.991m	300.339 #
20) L5 Aroclor-1242 {3}	6.10	6.60	3234.6E6	6299.8E6	695.569m	537.570
21) L5 Aroclor-1242 {4}	6.83	6.76	1659.0E6	3630.0E6	165.958m	366.934 #
22) L5 Aroclor-1242 {5}	7.11	7.31	1561.0E6	6698.0E6	229.884m	369.784 #
Sum Aroclor-1242			10025.8E6	21351.2E6	1887.635	1956.566
Average Aroclor-1242					377.527	391.313
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

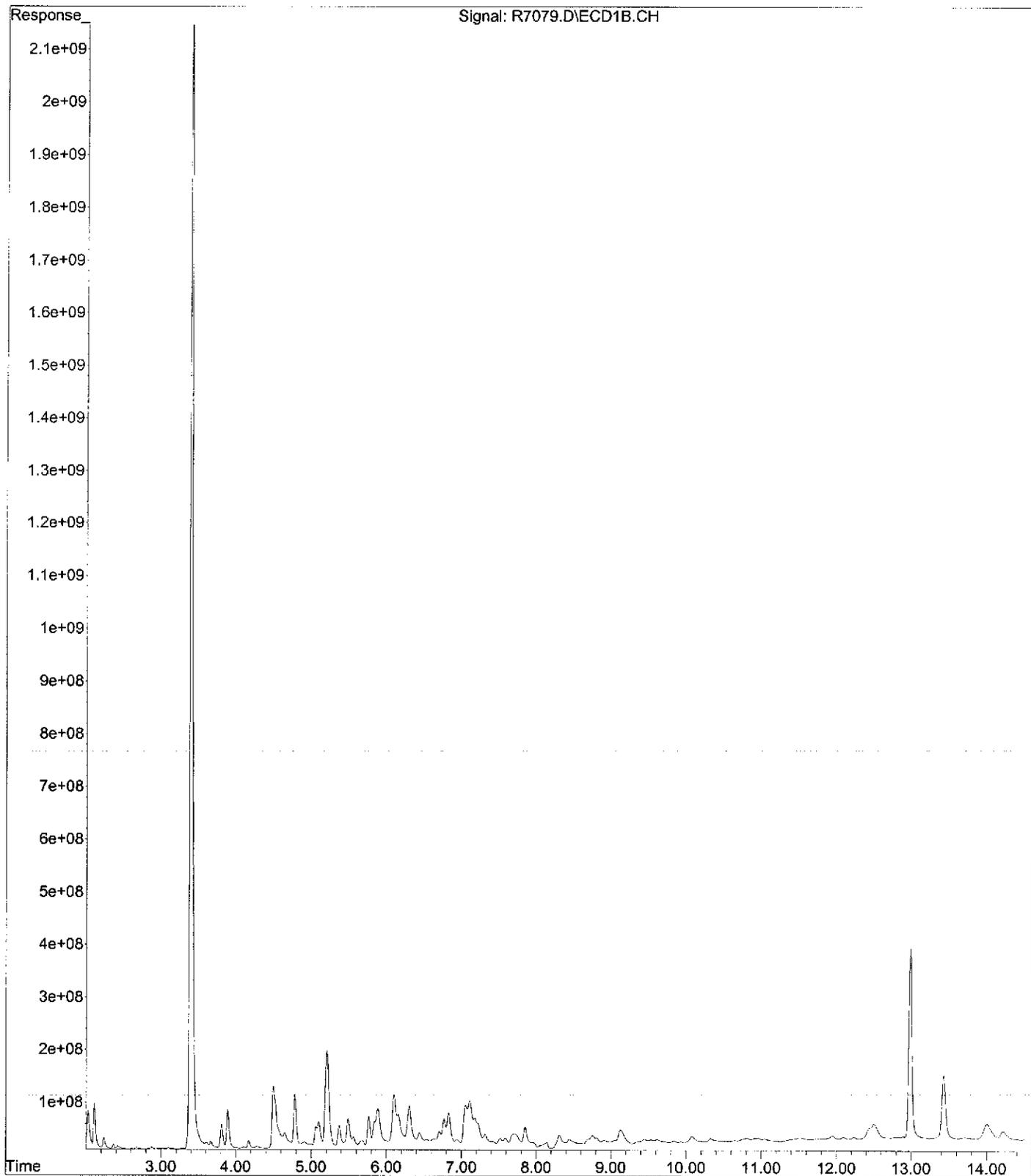
Data Path : C:\MSDCHEM\1\DATA\01-29-13\
Data File : R7079.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 29 Jan 2013 18:25
Operator : JS
Sample : CC-42(R) (1,00646-018,S,5.80g,84.7,01/29/13,4
Misc : 130129-05,01/22/13,01/22/13,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 31 10:54:59 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
Quant Title :
QLast Update : Tue Jan 29 15:58:03 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

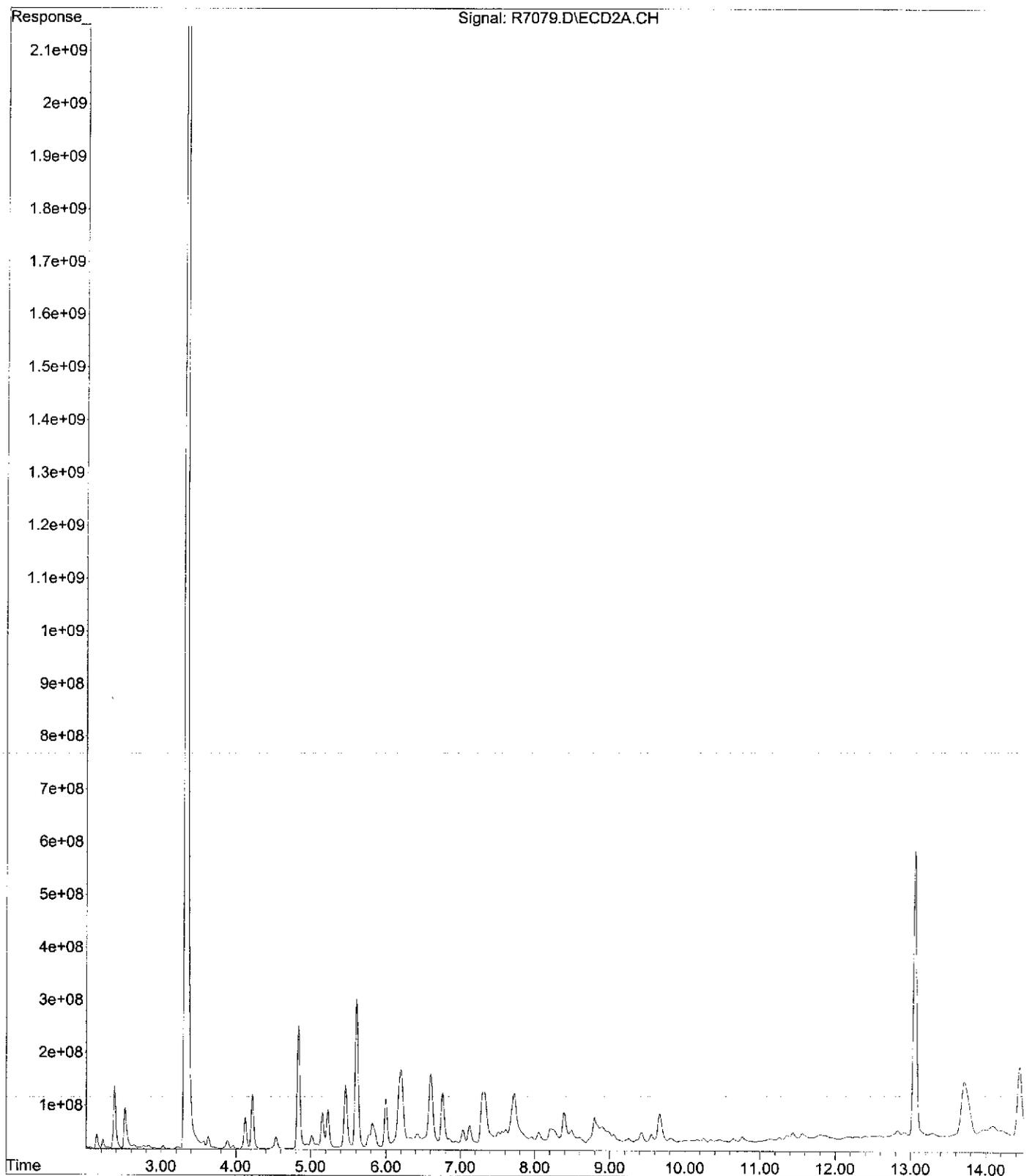
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



File : C:\MSDCHEM\1\DATA\01-29-13\R7079.D
Operator : JS
Acquired : 29 Jan 2013 18:25 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: CC-42(R) (1,00646-018,S,5.80g,84.7,01/29/13,4
Misc Info : 130129-05,01/22/13,01/22/13,1
Vial Number: 10



File : C:\MSDCHEM\1\DATA\01-29-13\R7079.D
Operator : JS
Acquired : 29 Jan 2013 18:25 using AcqMethod RPCB0129.M
Instrument : GC R
Sample Name: CC-42(R) (1,00646-018,S,5.80g,84.7,01/29/13,4
Misc Info : 130129-05,01/22/13,01/22/13,1
Vial Number: 10



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7080.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Jan 2013 18:42
 Operator : JS
 Sample : CC-42(R) (2,00646-019,S,5.36g,80.8,01/29/13,4
 Misc : 130129-05,01/22/13,01/22/13,1
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 31 10:58:16 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

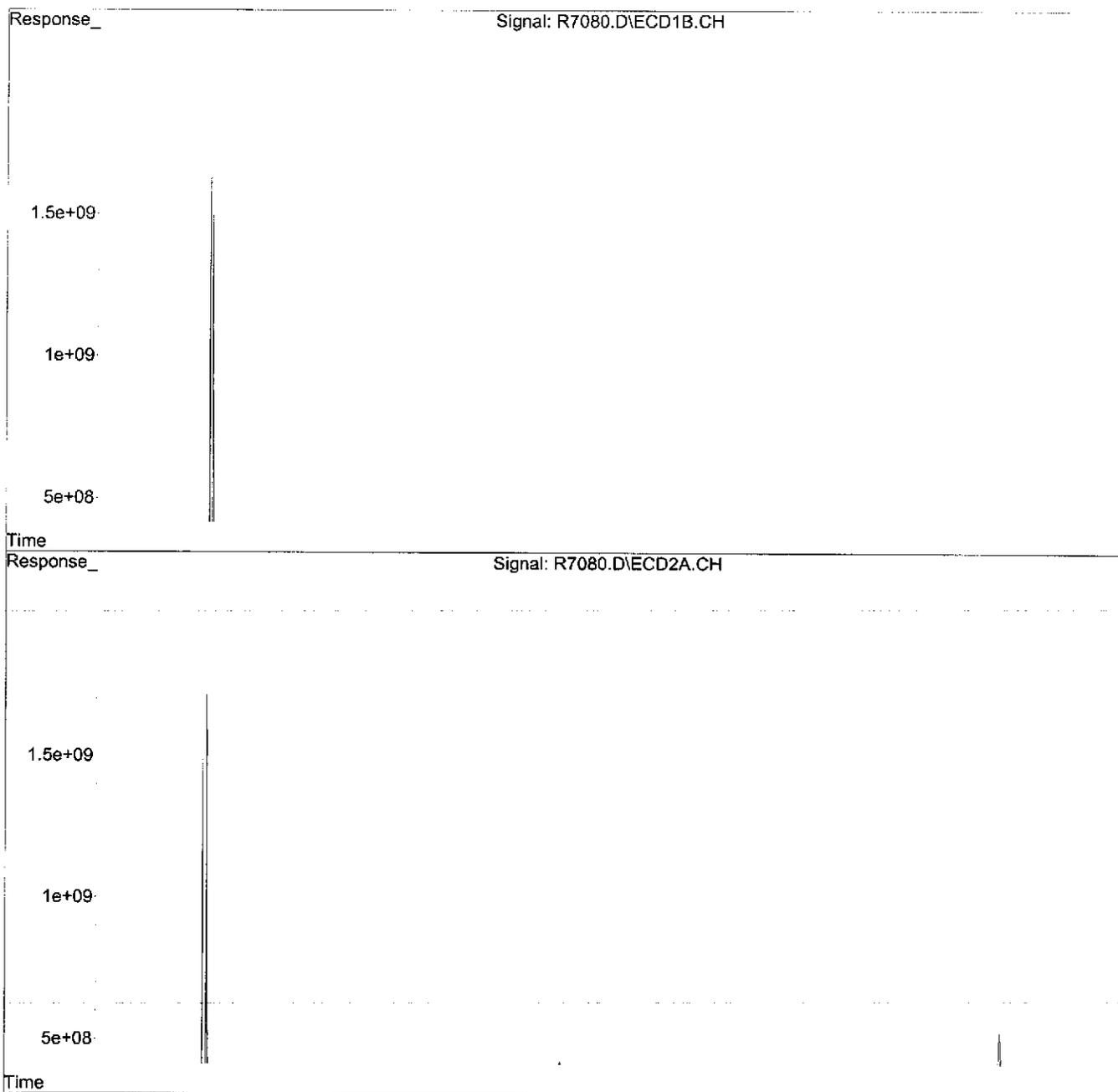
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.39	3.34	59943.4E6	77894.5E6	236.001	234.435
Spiked Amount	200.000					
			Recovery	=	118.00%	117.22%
2) S DCB	12.99	13.06	11887.7E6	15063.4E6	275.962	287.557m
Spiked Amount	200.000					
			Recovery	=	137.98%	143.78%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

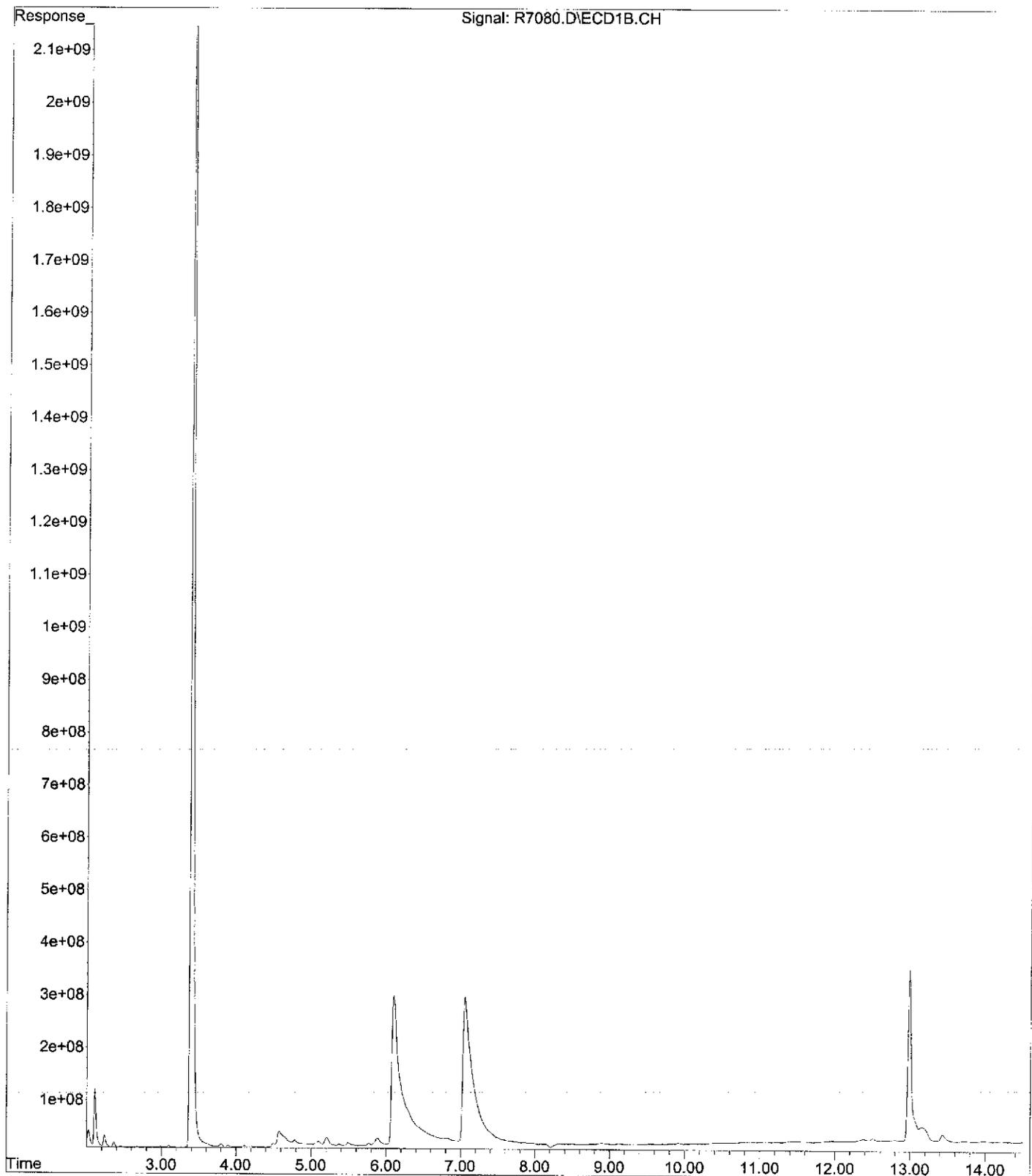
Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7080.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Jan 2013 18:42
 Operator : JS
 Sample : CC-42(R) (2,00646-019,S,5.36g,80.8,01/29/13,4
 Misc : 130129-05,01/22/13,01/22/13,1
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 31 10:58:16 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

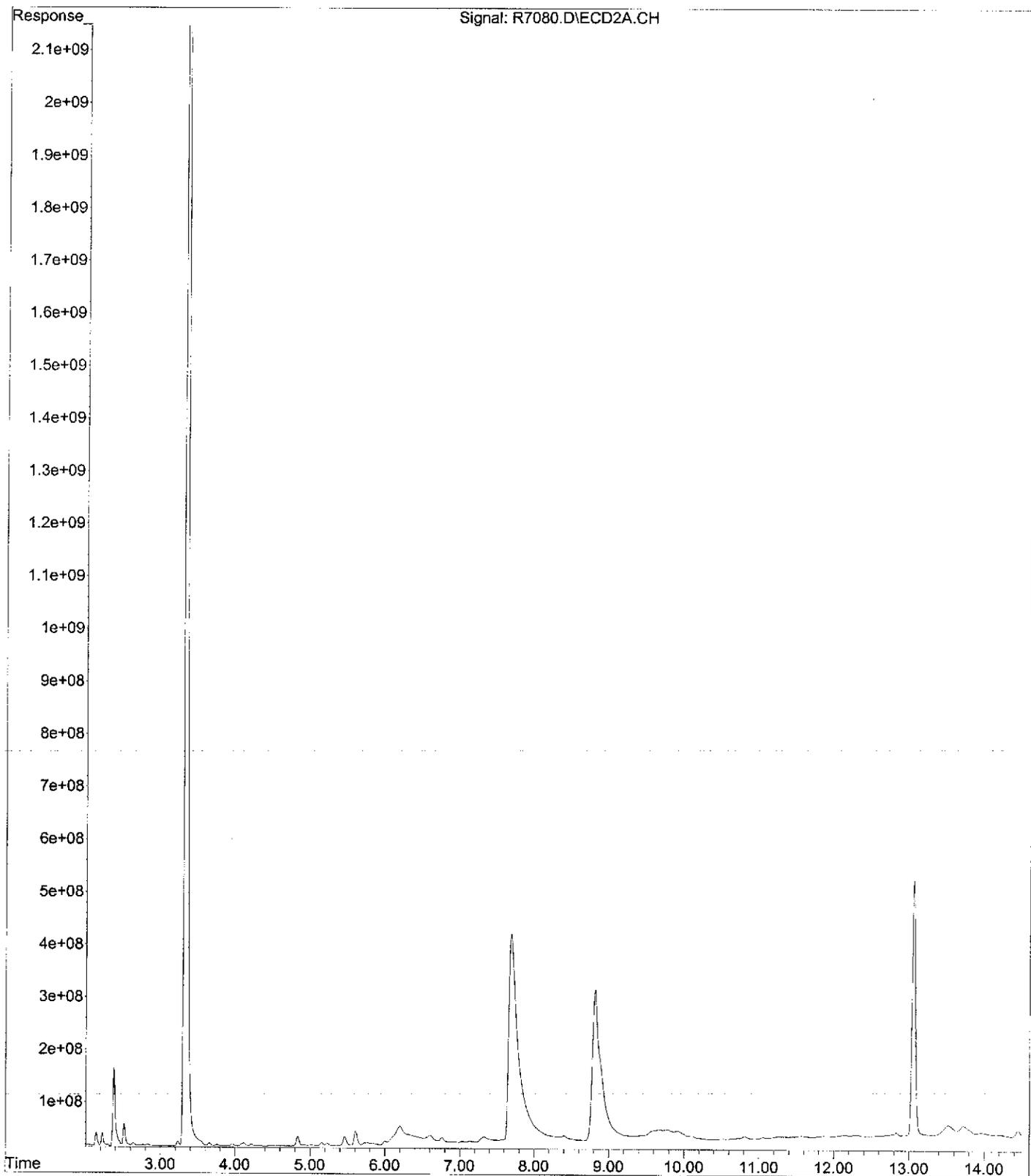
Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



File :C:\MSDCHEM\1\DATA\01-29-13\R7080.D
Operator : JS
Acquired : 29 Jan 2013 18:42 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: CC-42(R) (2,00646-019,S,5.36g,80.8,01/29/13,4
Misc Info : 130129-05,01/22/13,01/22/13,1
Vial Number: 11



File : C:\MSDCHEM\1\DATA\01-29-13\R7080.D
Operator : JS
Acquired : 29 Jan 2013 18:42 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: CC-42(R) (2,00646-019,S,5.36g,80.8,01/29/13,4
Misc Info : 130129-05,01/22/13,01/22/13,1
Vial Number: 11



Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7081.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Jan 2013 18:59
 Operator : JS
 Sample : CC-42(R) (3,00646-020,S,5.54g,22.8,01/29/13,4
 Misc : 130129-05,01/22/13,01/22/13,1
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 31 10:22:12 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

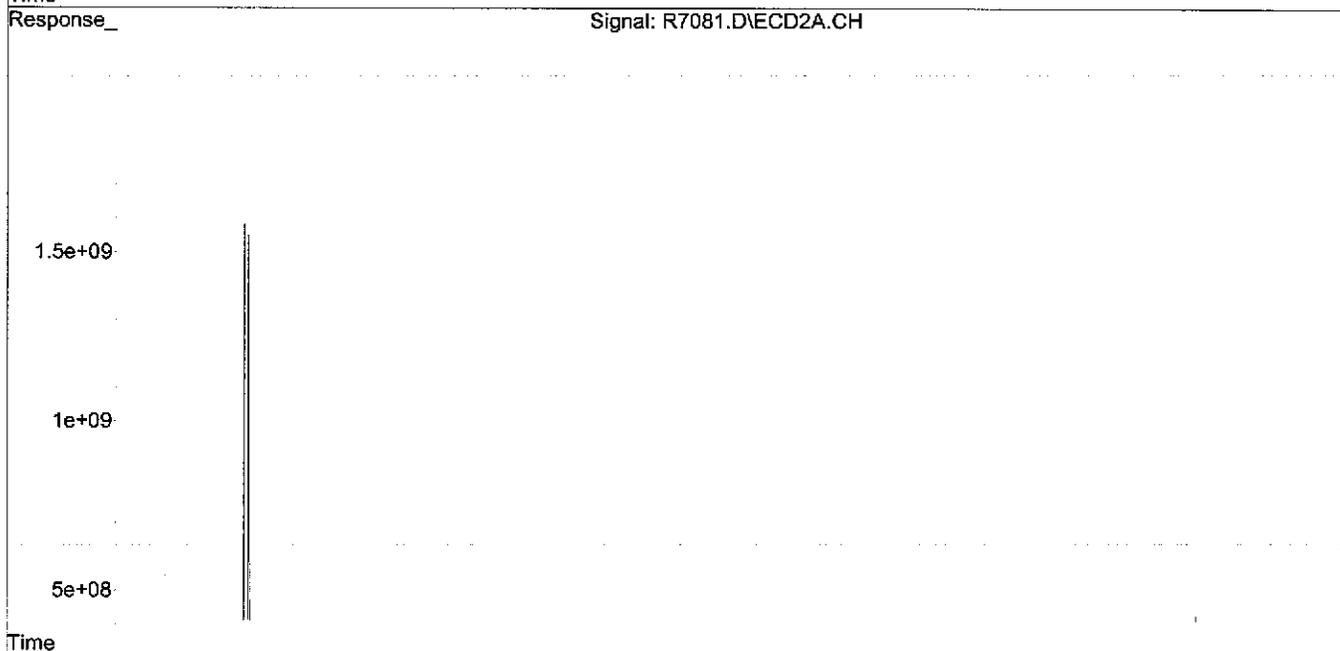
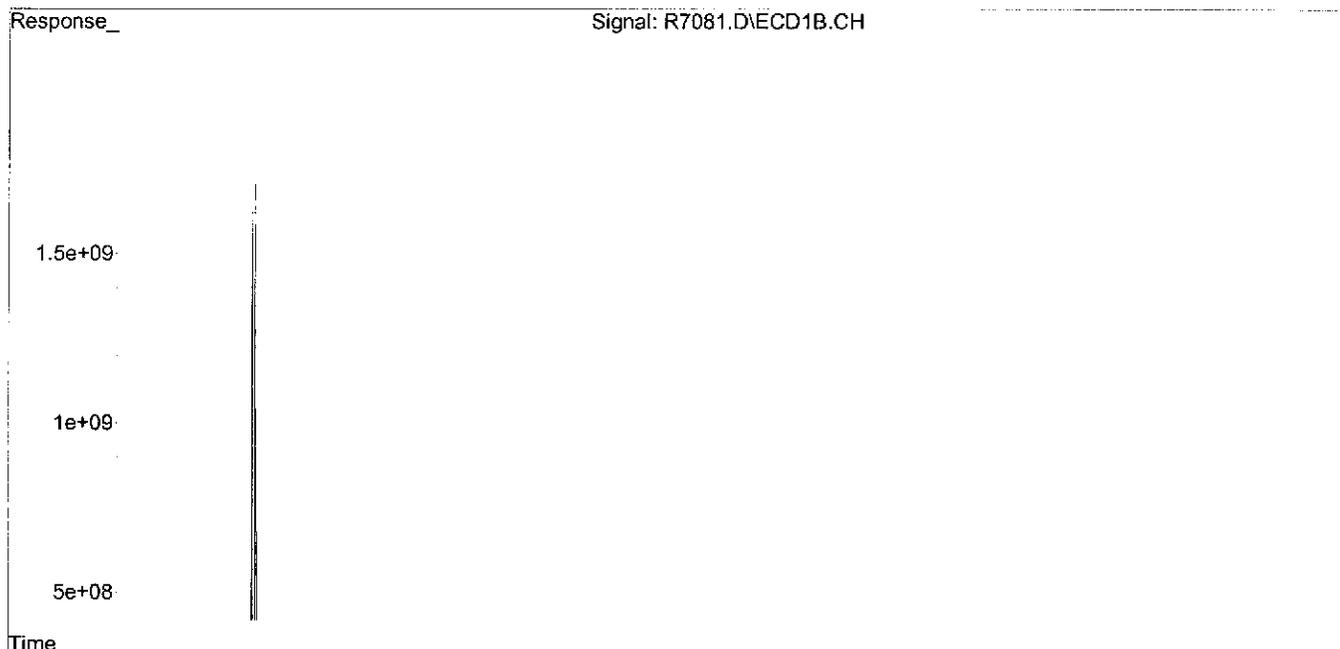
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.39	3.33	55485.0E6	71717.2E6	218.448	215.843
Spiked Amount	200.000					
				Recovery =	109.22%	107.92%
2) S DCB	12.99	13.06	8650.9E6	15181.2E6	200.822	289.805 #
Spiked Amount	200.000			Recovery =	100.41%	144.90%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

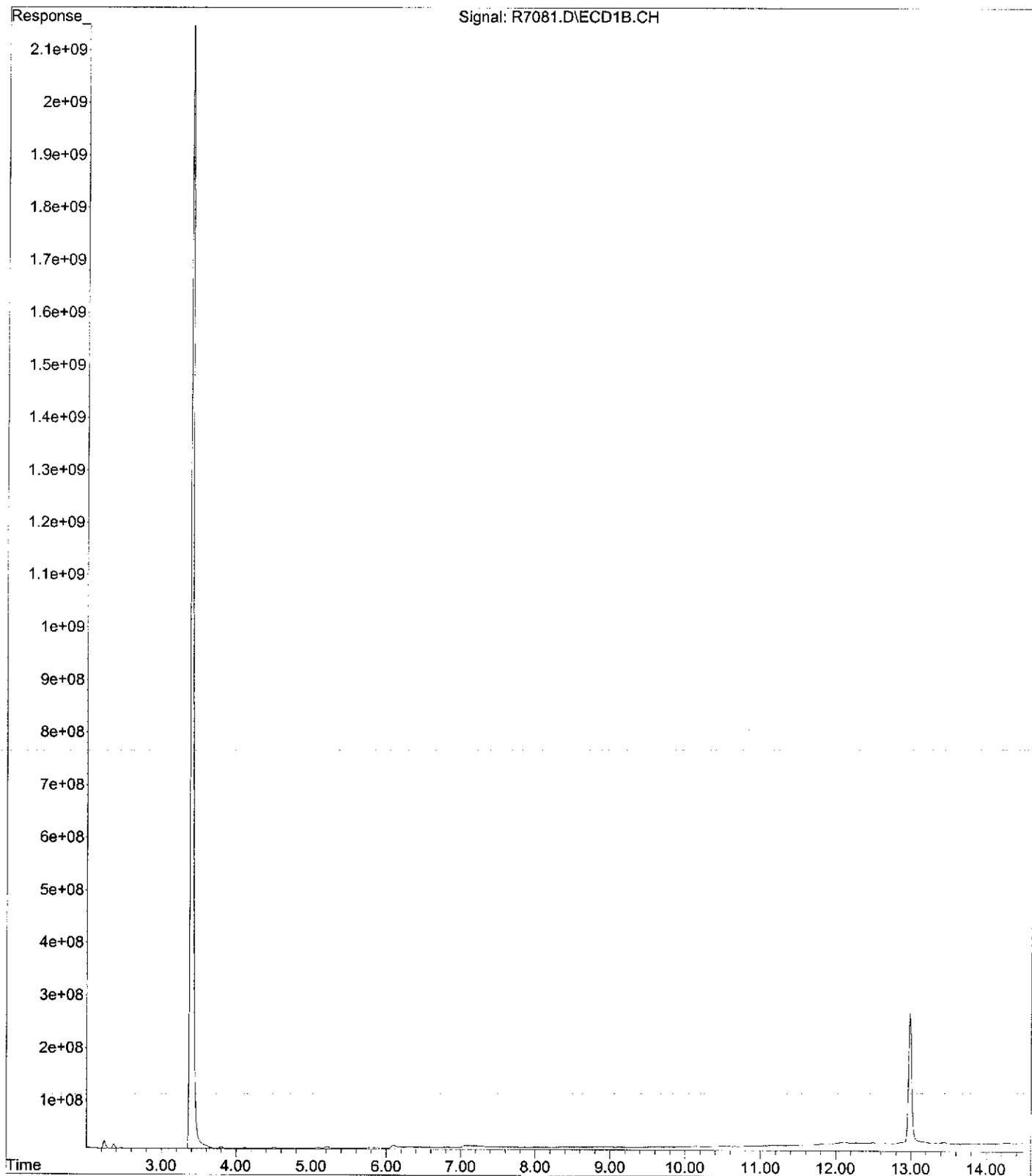
Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7081.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Jan 2013 18:59
 Operator : JS
 Sample : CC-42(R) (3,00646-020,S,5.54g,22.8,01/29/13,4
 Misc : 130129-05,01/22/13,01/22/13,1
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 31 10:22:12 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

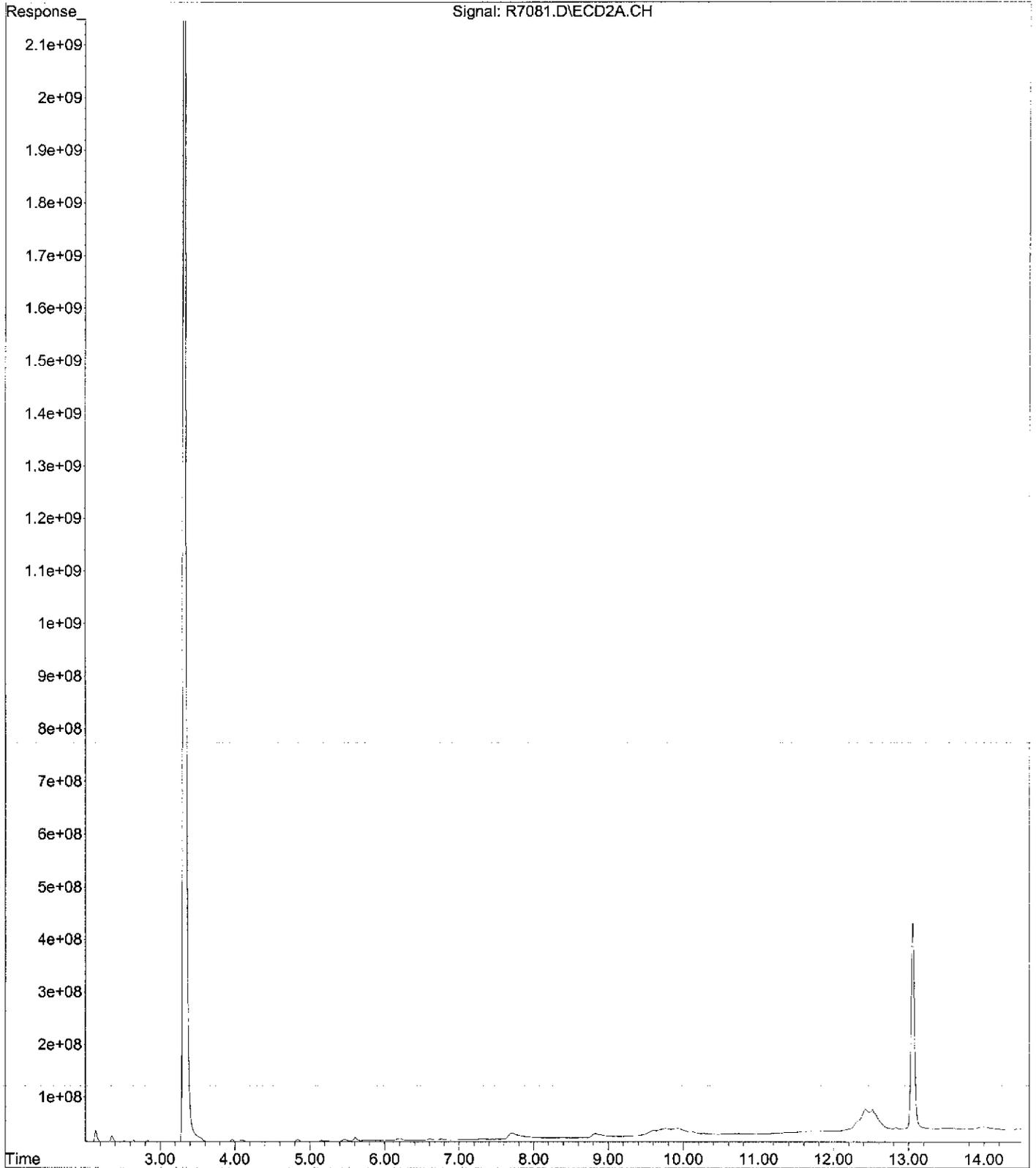
Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



File : C:\MSDCHEM\1\DATA\01-29-13\R7081.D
Operator : JS
Acquired : 29 Jan 2013 18:59 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: CC-42(R) (3,00646-020,S,5.54g,22.8,01/29/13,4
Misc Info : 130129-05,01/22/13,01/22/13,1
Vial Number: 12



File : C:\MSDCHEM\1\DATA\01-29-13\R7081.D
Operator : JS
Acquired : 29 Jan 2013 18:59 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: CC-42(R) (3,00646-020,S,5.54g,22.8,01/29/13,4
Misc Info : 130129-05,01/22/13,01/22/13,1
Vial Number: 12



Data Path : C:\MSDCHEM\1\DATA\01-30-13\
 Data File : R7119.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 30 Jan 2013 10:33
 Operator : JS
 Sample : CC-41(R) (0,00646-021,S,5.88g,83.4,01/29/13,4
 Misc : 130129-05,01/22/13,01/22/13,2
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 31 10:48:12 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2

System Monitoring Compounds						
1) S TCMX	3.39	3.33	33188.2E6	58338.9E6	130.664	175.580 #
Spiked Amount	200.000		Recovery	=	65.33%	87.79%
2) S DCB	12.98	13.06	5656.7E6	9344.9E6	131.316	178.392 #
Spiked Amount	200.000		Recovery	=	65.66%	89.20%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	5.21	5.61	15273.1E6	23434.6E6	1240.944	1339.006
24) L6 Aroclor-1248 {2}	5.77	6.20	7407.8E6	35130.5E6	1102.785	1327.139
25) L6 Aroclor-1248 {3}	6.11	6.61	10457.9E6	28984.4E6	1432.660	1557.197
26) L6 Aroclor-1248 {4}	6.83	6.76	15765.3E6	13937.4E6	999.997	811.043
27) L6 Aroclor-1248 {5}	7.12	7.13	9823.1E6	4761.3E6	1020.692	535.747 #
Sum Aroclor-1248			58727.2E6	106248.2E6	5797.078	5570.132
Average Aroclor-1248					1159.416	1114.026
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	9.13	8.65	13329.1E6	9030.1E6	729.088	602.525
34) L8 Aroclor-1260 {2}	9.84	9.06	1271.2E6	5491.7E6	154.874	349.114 #
35) L8 Aroclor-1260 {3}	10.32	10.26	3262.0E6	4249.5E6	167.090	385.708 #
36) L8 Aroclor-1260 {4}	10.81	10.77	1461.6E6	5543.6E6	162.951	242.460 #
37) L8 Aroclor-1260 {5}	11.88	11.36	889.6E6	3505.2E6	231.107	214.921
Sum Aroclor-1260			20213.4E6	27820.0E6	1445.109	1794.729
Average Aroclor-1260					289.022	358.946
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

Data Path : C:\MSDCHEM\1\DATA\01-30-13\
 Data File : R7119.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 30 Jan 2013 10:33
 Operator : JS
 Sample : CC-41(R) (0,00646-021,S,5.88g,83.4,01/29/13,4
 Misc : 130129-05,01/22/13,01/22/13,2
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 31 10:48:12 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

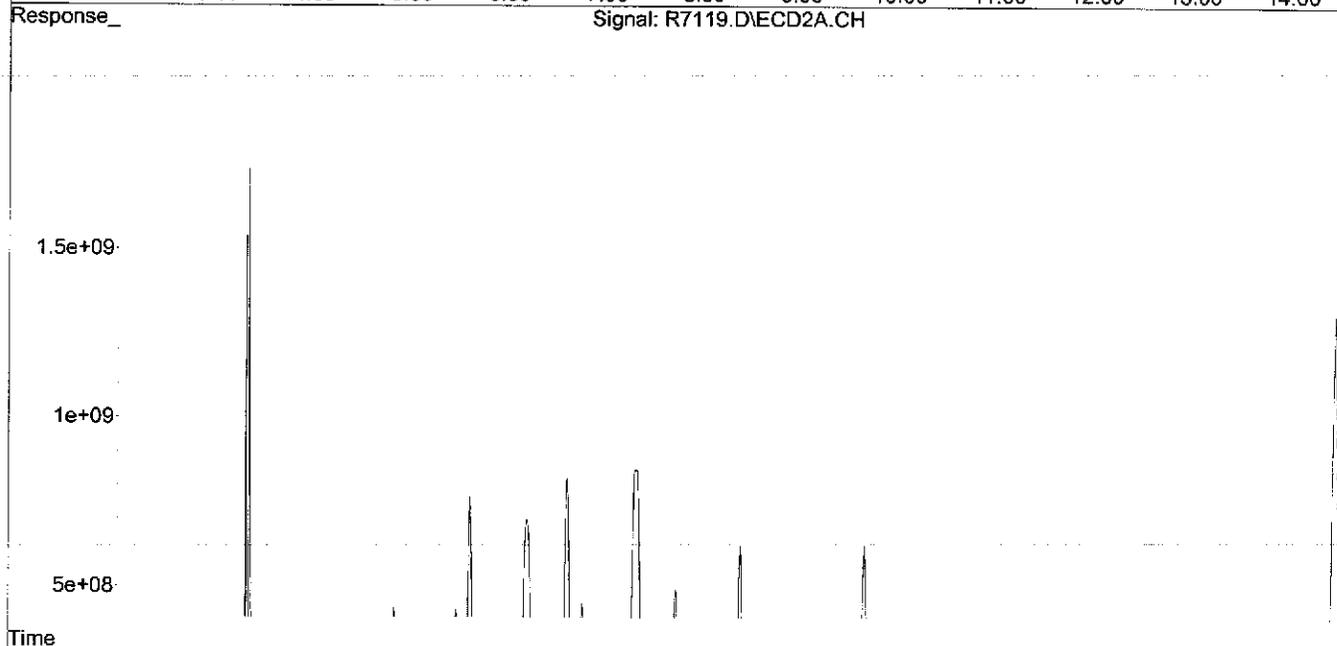
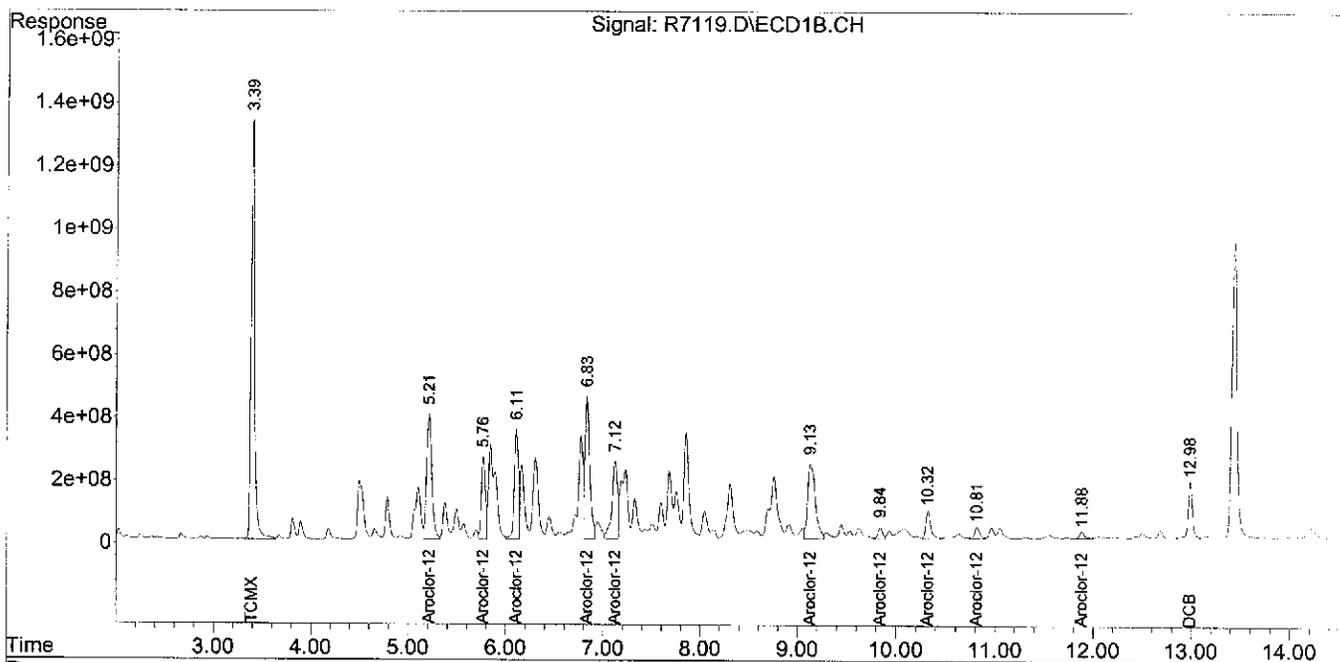
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
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(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

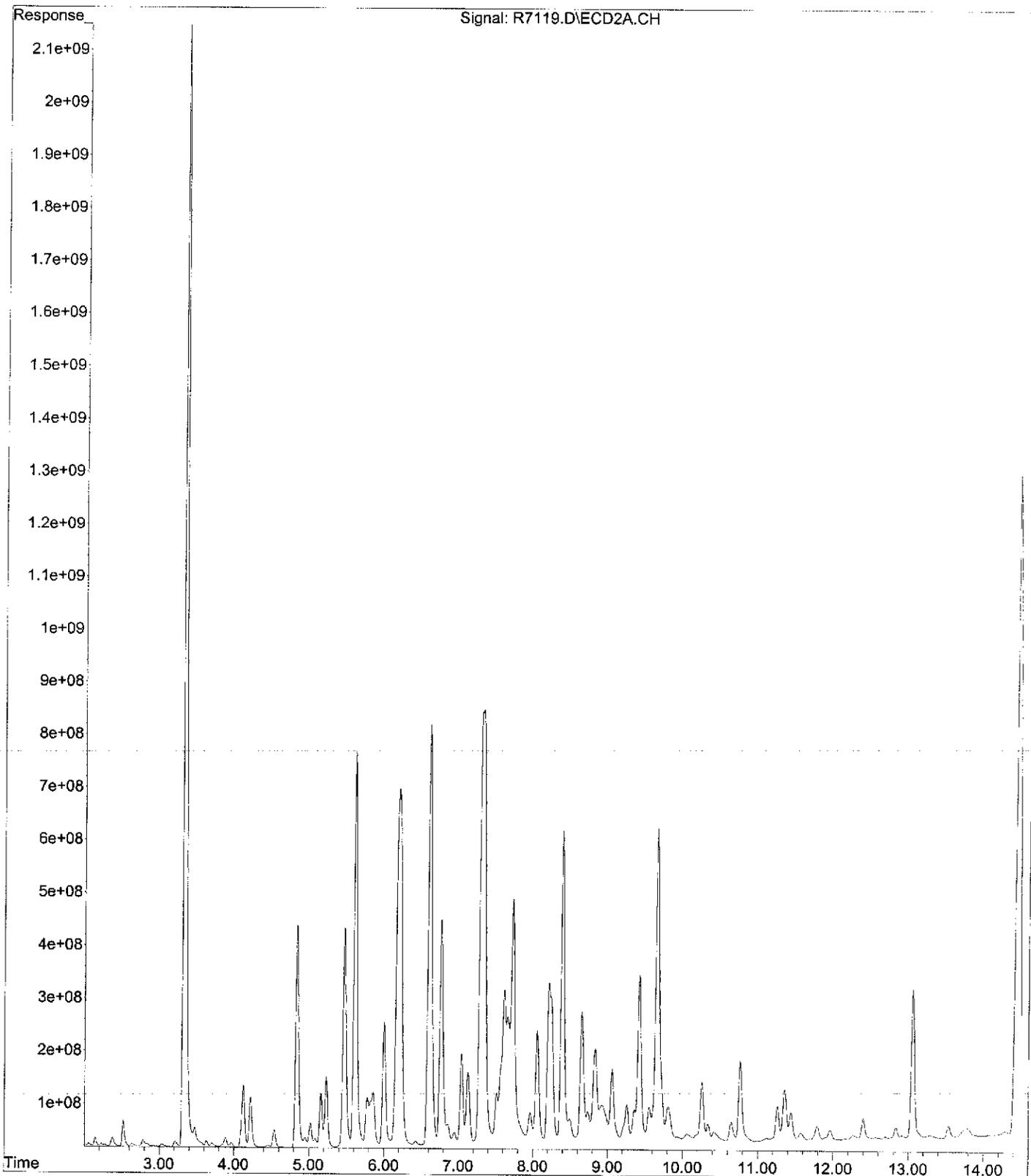
Data Path : C:\MSDCHEM\1\DATA\01-30-13\
 Data File : R7119.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 30 Jan 2013 10:33
 Operator : JS
 Sample : CC-41 (R) (0,00646-021,S,5.88g,83.4,01/29/13,4
 Misc : 130129-05,01/22/13,01/22/13,2
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 31 10:48:12 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



File : C:\MSDCHEM\1\DATA\01-30-13\R7119.D
Operator : JS
Acquired : 30 Jan 2013 10:33 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: CC-41(R) (0,00646-021,S,5.88g,83.4,01/29/13,4
Misc Info : 130129-05,01/22/13,01/22/13,2
Vial Number: 13



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7083.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Jan 2013 19:34
 Operator : JS
 Sample : CC-41(R) (1,00646-022,S,5.37g,87.5,01/29/13,4
 Misc : 130129-05,01/22/13,01/22/13,1
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 31 10:58:49 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

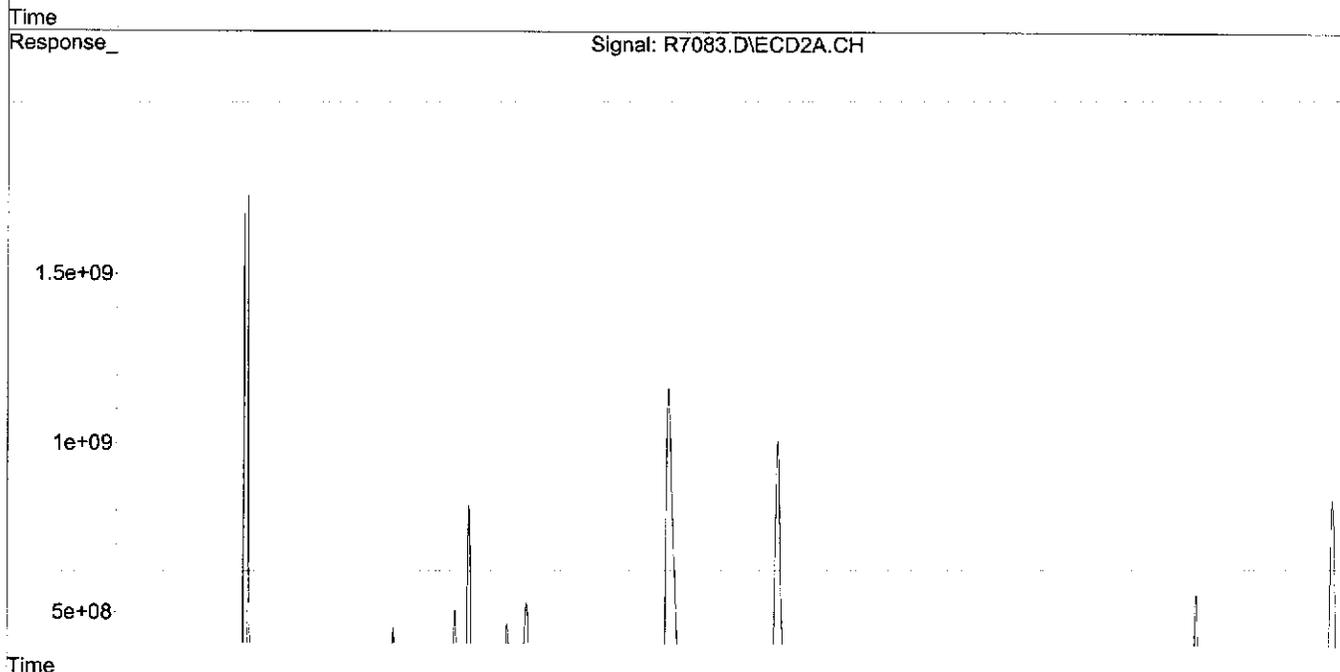
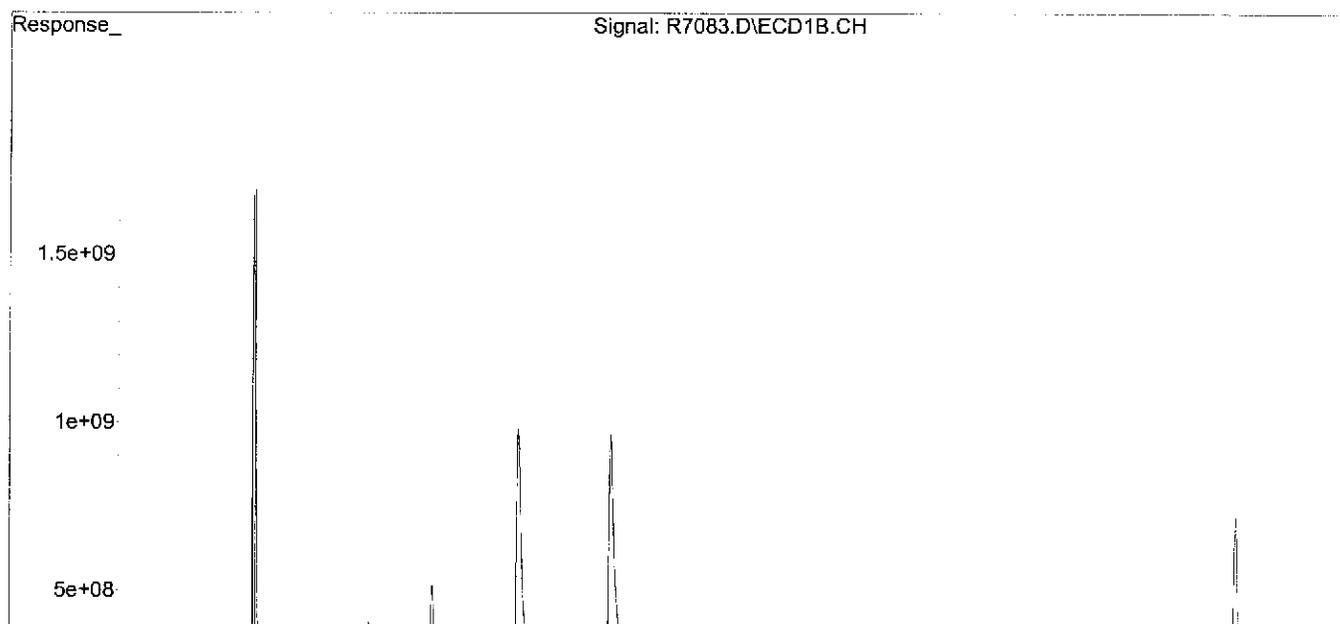
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.39	3.34	49893.8E6	75896.3E6	196.435	228.421
Spiked Amount	200.000		Recovery	=	98.22%	114.21%
2) S DCB	12.98	13.05	11960.7E6	15634.9E6	277.655	298.466m
Spiked Amount	200.000		Recovery	=	138.83%	149.23%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	5.21	5.61	18825.3E6	23712.5E6	1529.558	1354.885
24) L6 Aroclor-1248 {2}	5.77	6.20	3845.0E6	27436.4E6	572.400	1036.478 #
25) L6 Aroclor-1248 {3}	0.00	6.61	0	15213.5E6	N.D.	817.348 #
26) L6 Aroclor-1248 {4}	6.83	6.76	2714.4E6	8680.3E6	172.176	505.119 #
27) L6 Aroclor-1248 {5}	0.00	7.12	0	1807.2E6	N.D.	203.350 #
Sum Aroclor-1248			25384.7E6	76849.9E6	2274.135	3917.179
Average Aroclor-1248					758.045	783.436
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

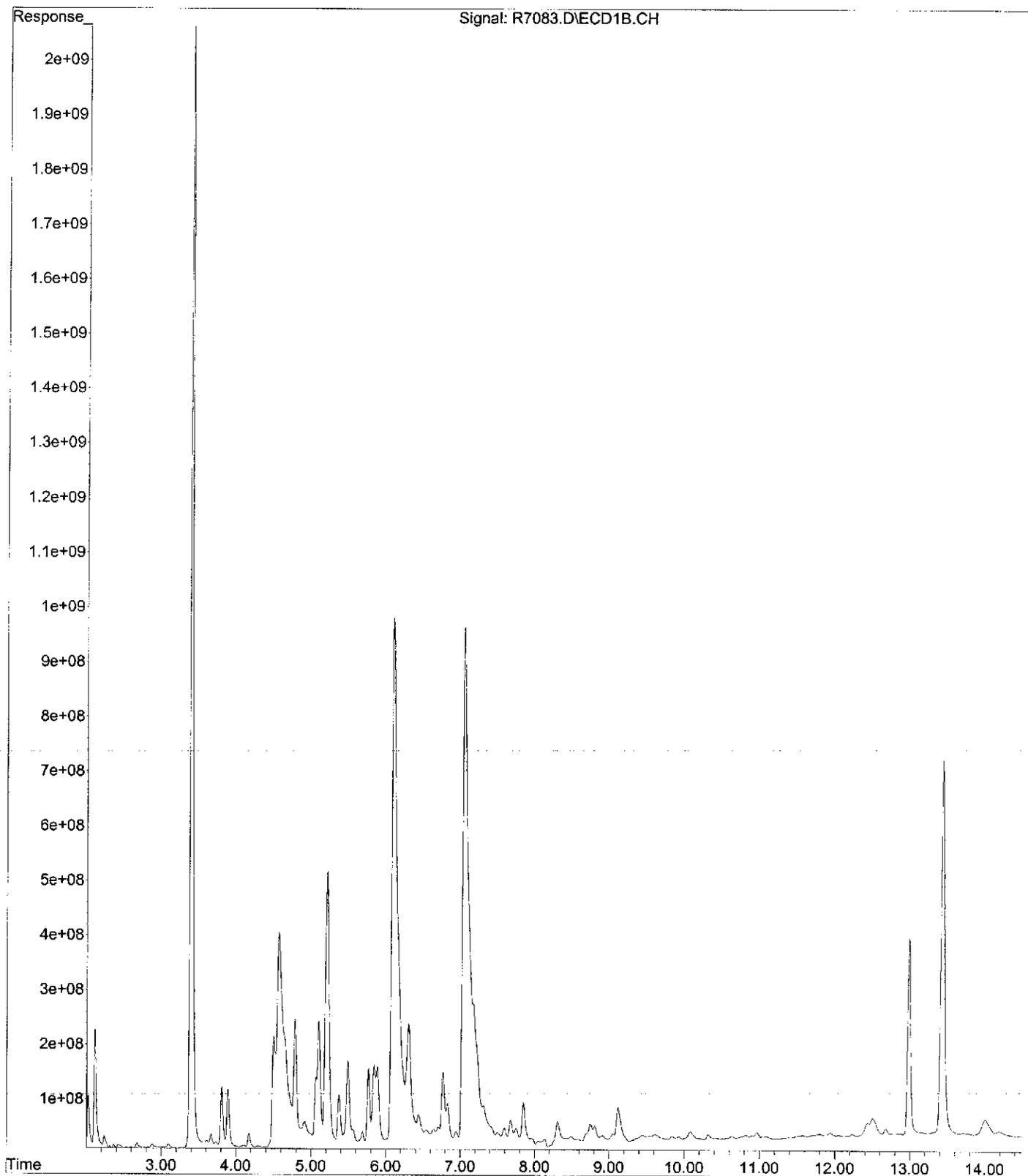
Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7083.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Jan 2013 19:34
 Operator : JS
 Sample : CC-41(R) (1,00646-022,S,5.37g,87.5,01/29/13,4
 Misc : 130129-05,01/22/13,01/22/13,1
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 31 10:58:49 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

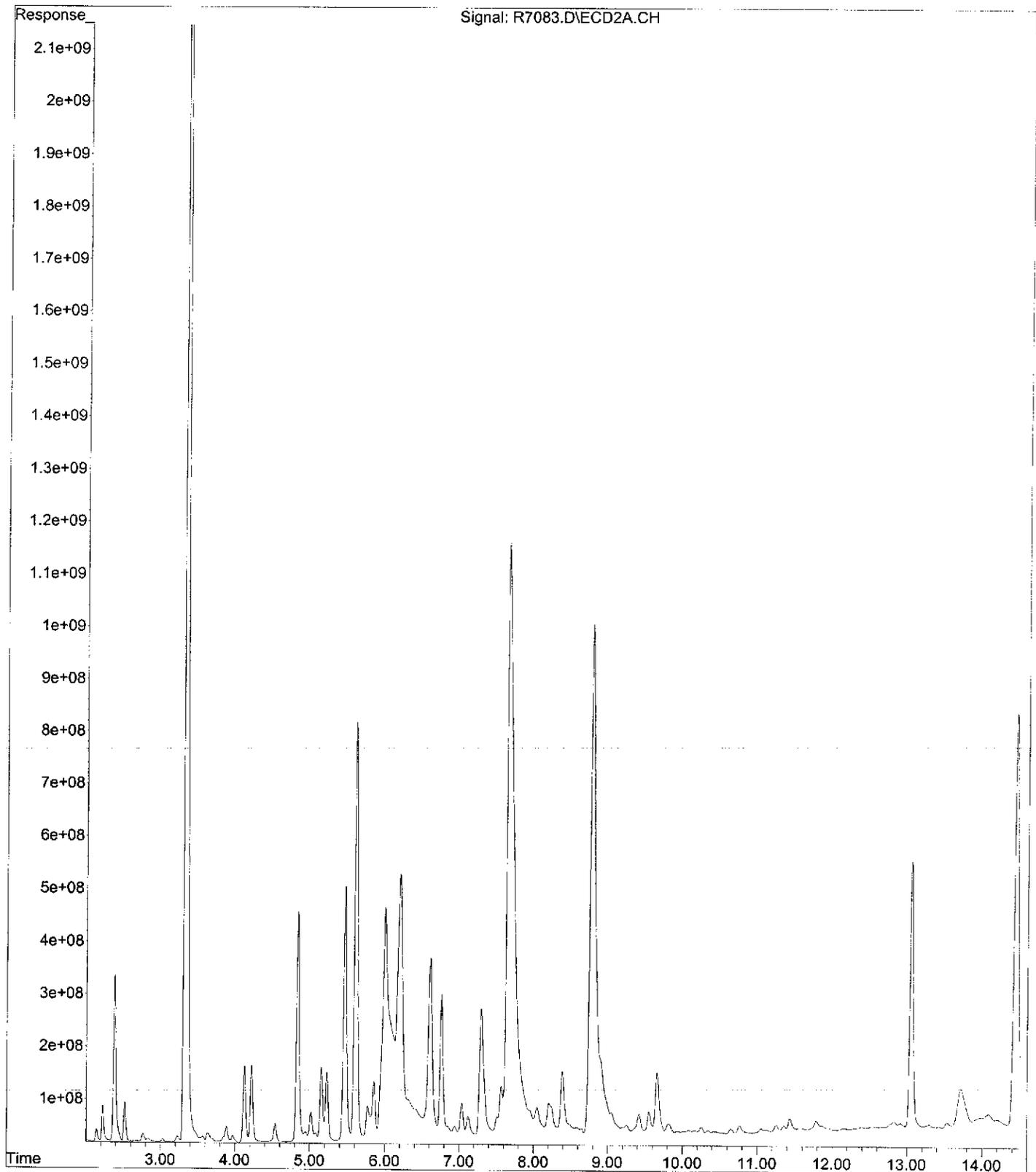
Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



File :C:\MSDCHEM\1\DATA\01-29-13\R7083.D
Operator : JS
Acquired : 29 Jan 2013 19:34 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: CC-41(R) (1,00646-022,S,5.37g,87.5,01/29/13,4
Misc Info : 130129-05,01/22/13,01/22/13,1
Vial Number: 14



File : C:\MSDCHEM\1\DATA\01-29-13\R7083.D
Operator : JS
Acquired : 29 Jan 2013 19:34 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: CC-41(R) (1,00646-022,S,5.37g,87.5,01/29/13,4
Misc Info : 130129-05,01/22/13,01/22/13,1
Vial Number: 14



Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7084.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Jan 2013 19:52
 Operator : JS
 Sample : CC-41(R) (2,00646-023,S,5.53g,65.0,01/29/13,4
 Misc : 130129-05,01/22/13,01/22/13,1
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 31 10:59:18 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

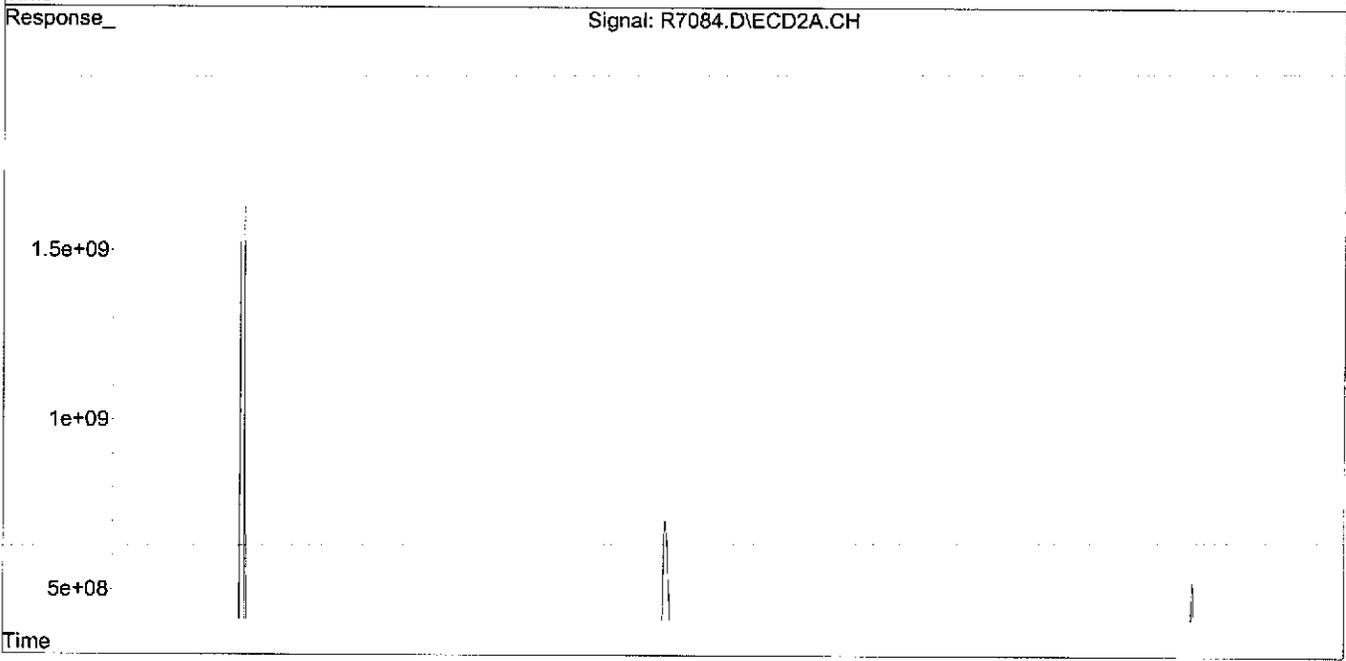
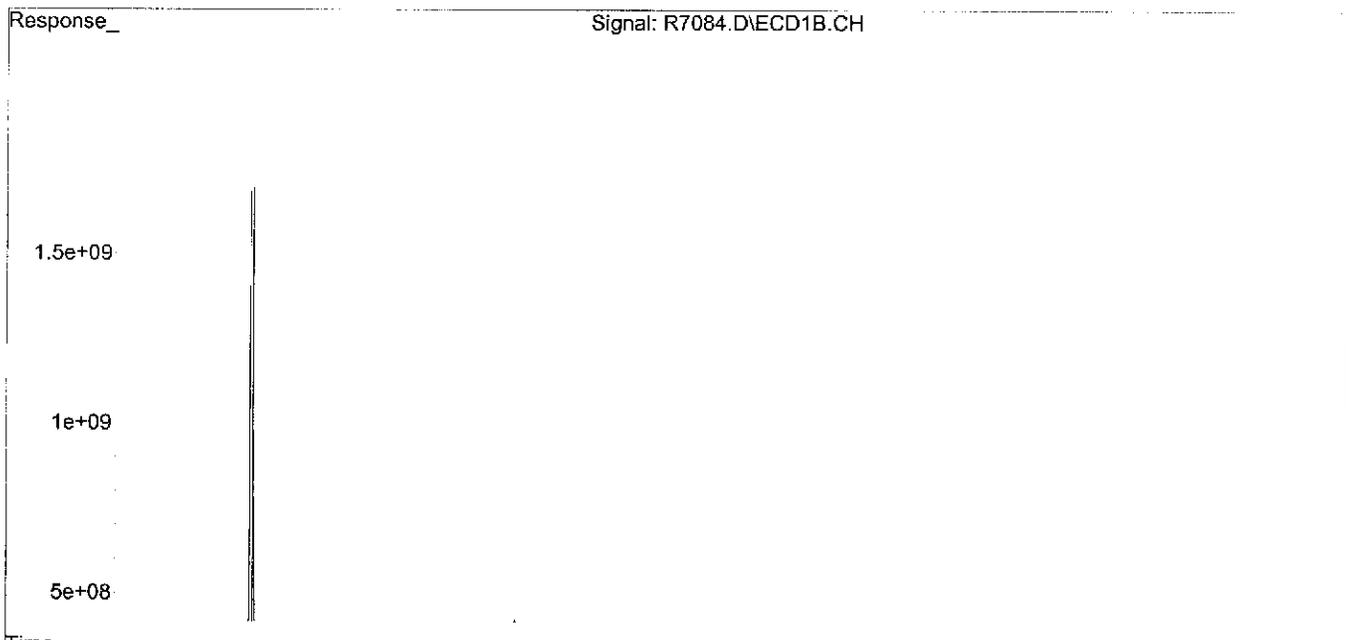
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.39	3.33	57617.3E6	78894.7E6	226.843	237.445
Spiked Amount	200.000					
				Recovery =	113.42%	118.72%
2) S DCB	12.99	13.05	12832.4E6	14990.5E6	297.891	286.165m
Spiked Amount	200.000			Recovery =	148.95%	143.08%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.78	5.23	604.6E6	432.5E6	110.752	80.192 #
19) L5 Aroclor-1242 {2}	5.77	6.00	375.3E6	943.8E6	106.169	106.431
20) L5 Aroclor-1242 {3}	0.00	6.61	0	1252.0E6	N.D. d	106.836 #
21) L5 Aroclor-1242 {4}	6.83	6.76	818.5E6	788.7E6	81.875	79.727
22) L5 Aroclor-1242 {5}	0.00	7.30	0	901.0E6	N.D. d	49.742 #
Sum Aroclor-1242			1798.4E6	4318.0E6	298.797	422.928
Average Aroclor-1242					99.599	84.586
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

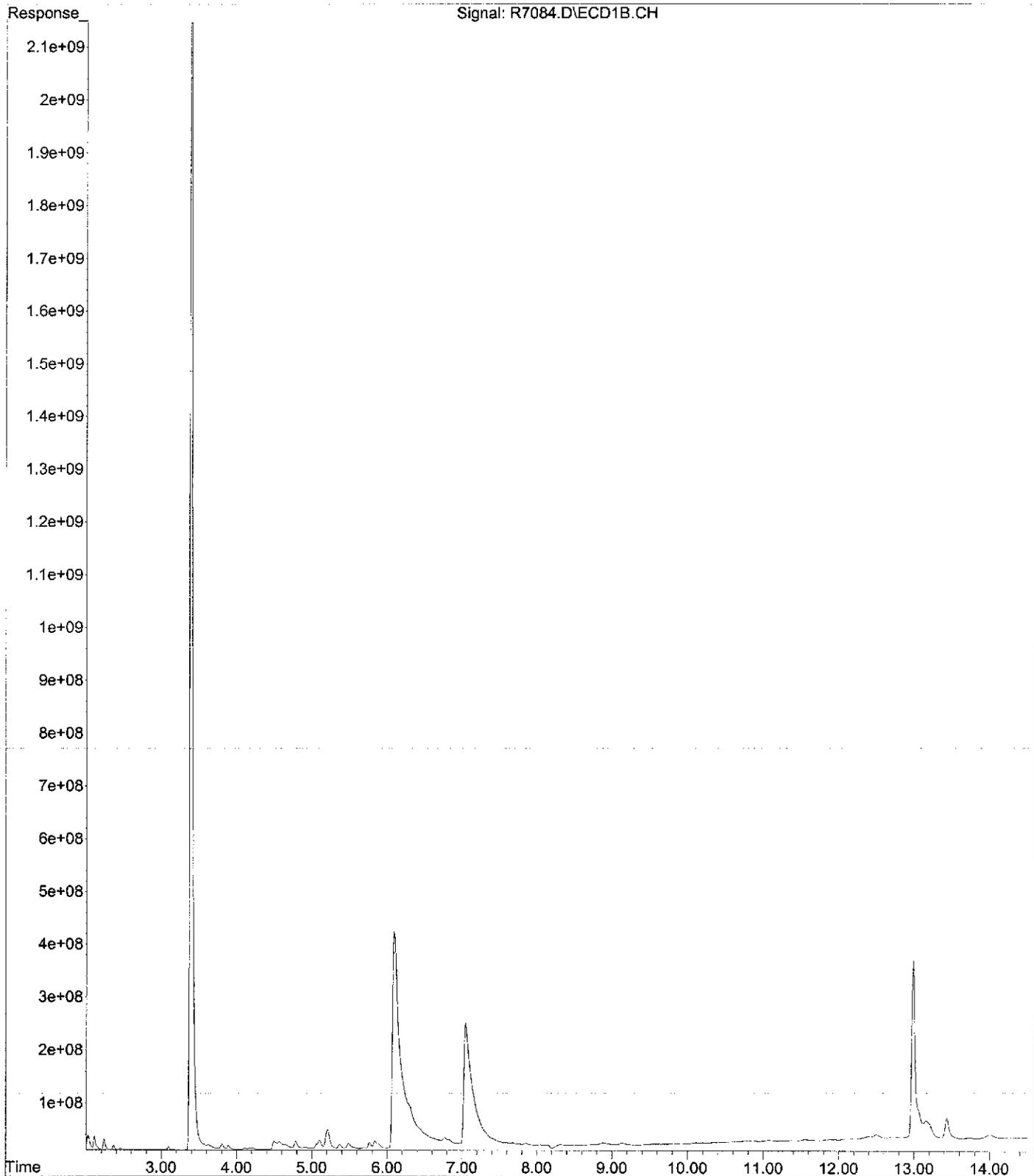
Data Path : C:\MSDCHEM\1\DATA\01-29-13\
Data File : R7084.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 29 Jan 2013 19:52
Operator : JS
Sample : CC-41(R) (2,00646-023,S,5.53g,65.0,01/29/13,4
Misc : 130129-05,01/22/13,01/22/13,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 31 10:59:18 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
Quant Title :
QLast Update : Tue Jan 29 15:58:03 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

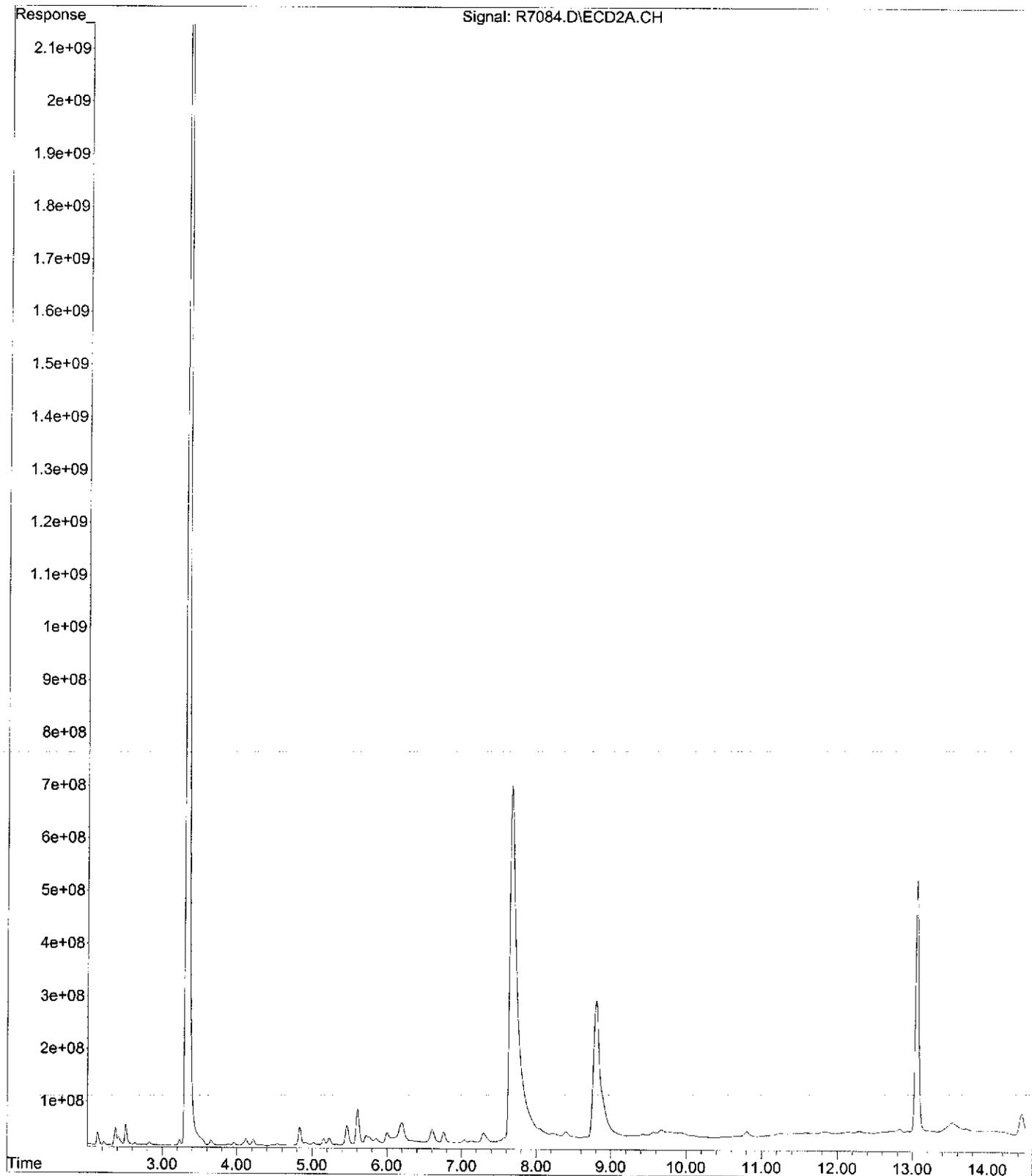
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



File : C:\MSDCHEM\1\DATA\01-29-13\R7084.D
Operator : JS
Acquired : 29 Jan 2013 19:52 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: CC-41(R) (2,00646-023,S,5.53g,65.0,01/29/13,4
Misc Info : 130129-05,01/22/13,01/22/13,1
Vial Number: 15



File : C:\MSDCHEM\1\DATA\01-29-13\R7084.D
Operator : JS
Acquired : 29 Jan 2013 19:52 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: CC-41(R) (2,00646-023,S,5.53g,65.0,01/29/13,4
Misc Info : 130129-05,01/22/13,01/22/13,1
Vial Number: 15



Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7085.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Jan 2013 20:09
 Operator : JS
 Sample : CC-41(R) (3,00646-024,S,5.24g,23.2,01/29/13,4
 Misc : 130129-05,01/22/13,01/22/13,1
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 31 10:36:45 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

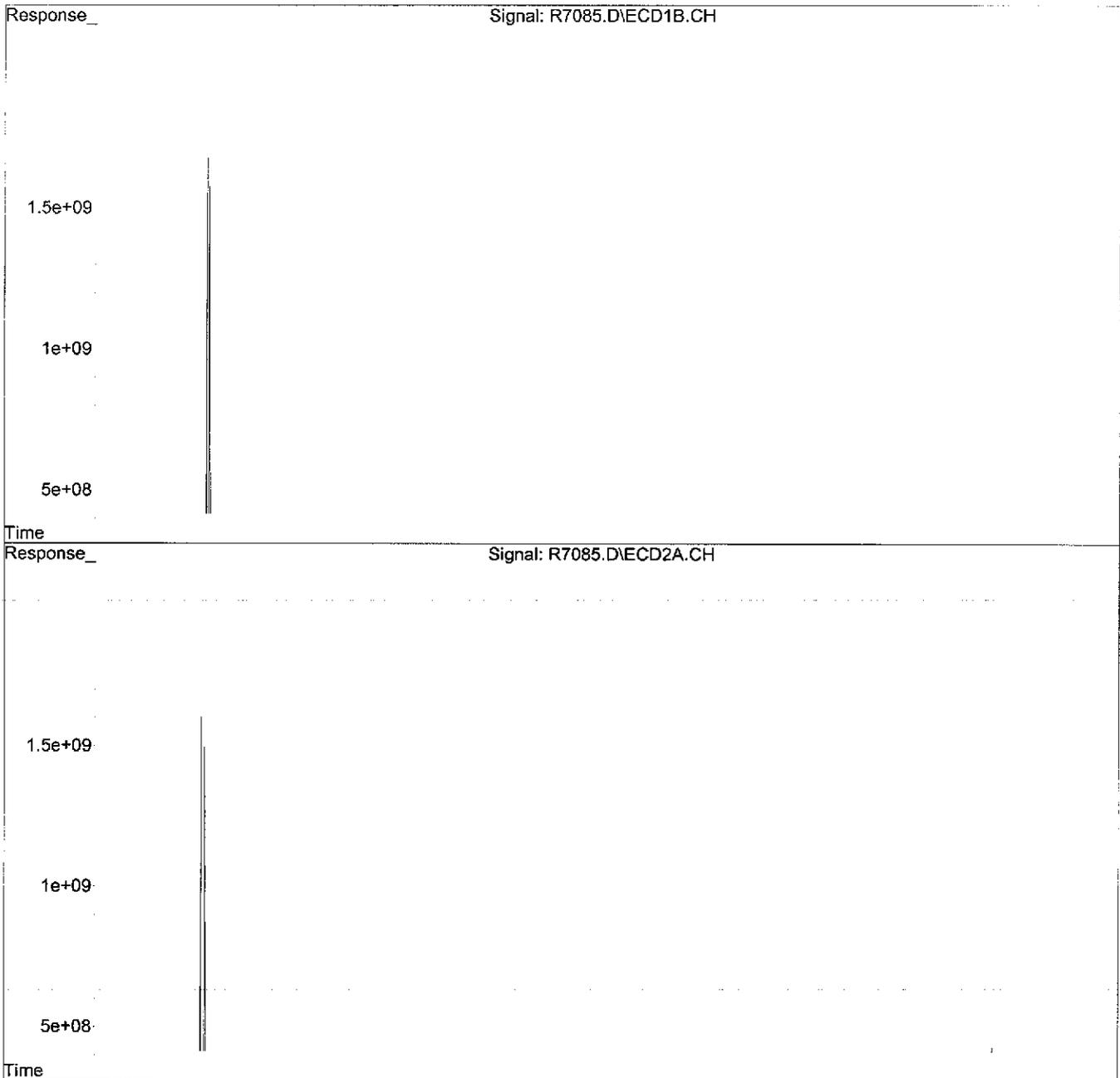
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.39	3.33	52836.1E6	72224.1E6	208.019	217.369
Spiked Amount	200.000			Recovery	= 104.01%	108.68%
2) S DCB	12.99	13.06	9476.2E6	15198.9E6	219.981	290.143 #
Spiked Amount	200.000			Recovery	= 109.99%	145.07%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.78	5.23	65674612	92543124	12.031m	17.157 #
19) L5 Aroclor-1242 {2}	5.77	6.00	57204551	210.0E6	16.182m	23.678 #
20) L5 Aroclor-1242 {3}	6.10	6.61	378.3E6	246.1E6	81.355m	21.002 #
21) L5 Aroclor-1242 {4}	0.00	6.76	0	175.9E6	N.D. d	17.785 #
22) L5 Aroclor-1242 {5}	0.00	7.30	0	205.7E6	N.D. d	11.355 #
Sum Aroclor-1242			501.2E6	930.2E6	109.568	90.976
Average Aroclor-1242					36.523	18.195
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

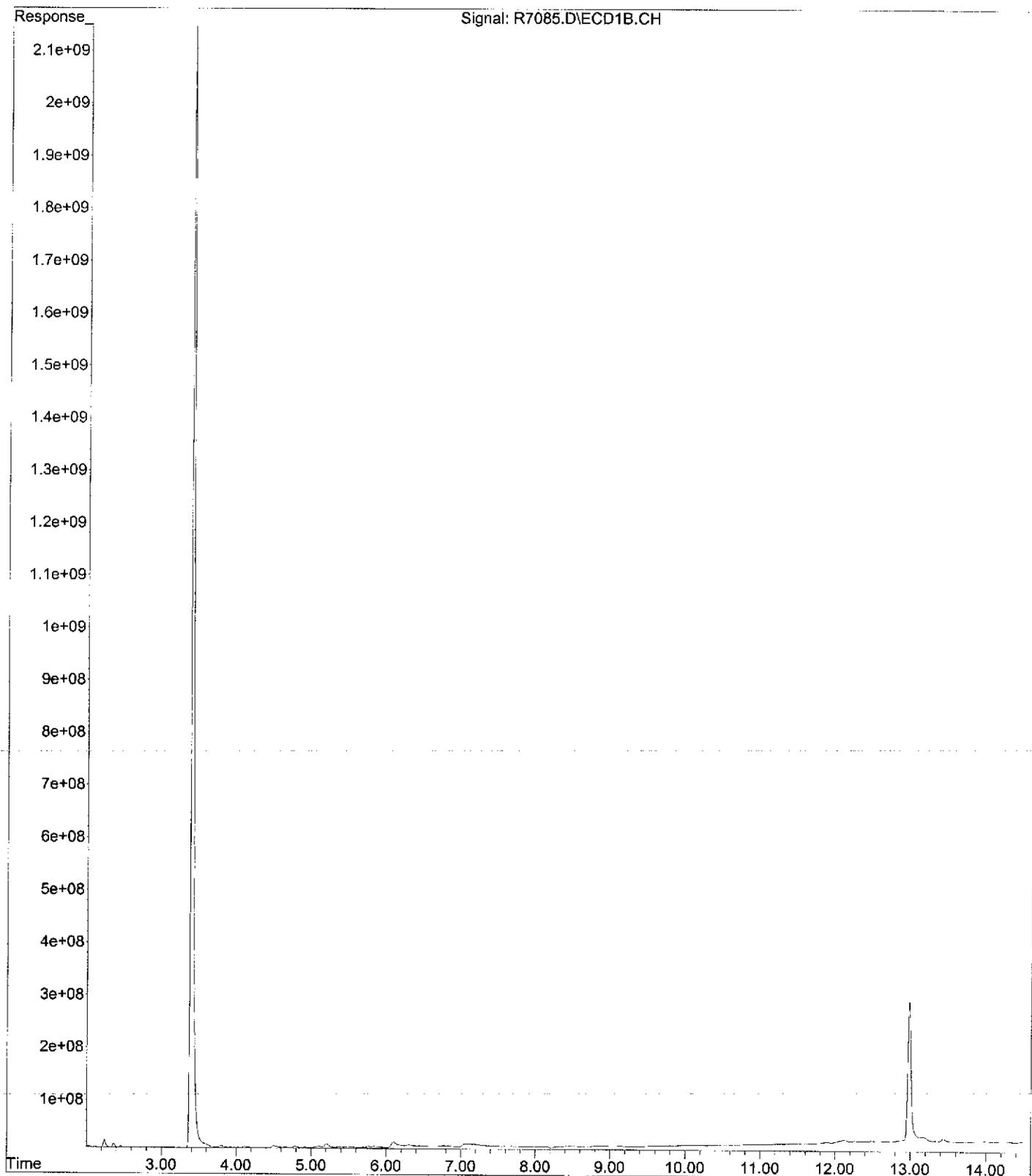
Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7085.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Jan 2013 20:09
 Operator : JS
 Sample : CC-41(R) (3,00646-024,S,5.24g,23.2,01/29/13,4
 Misc : 130129-05,01/22/13,01/22/13,1
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 31 10:36:45 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

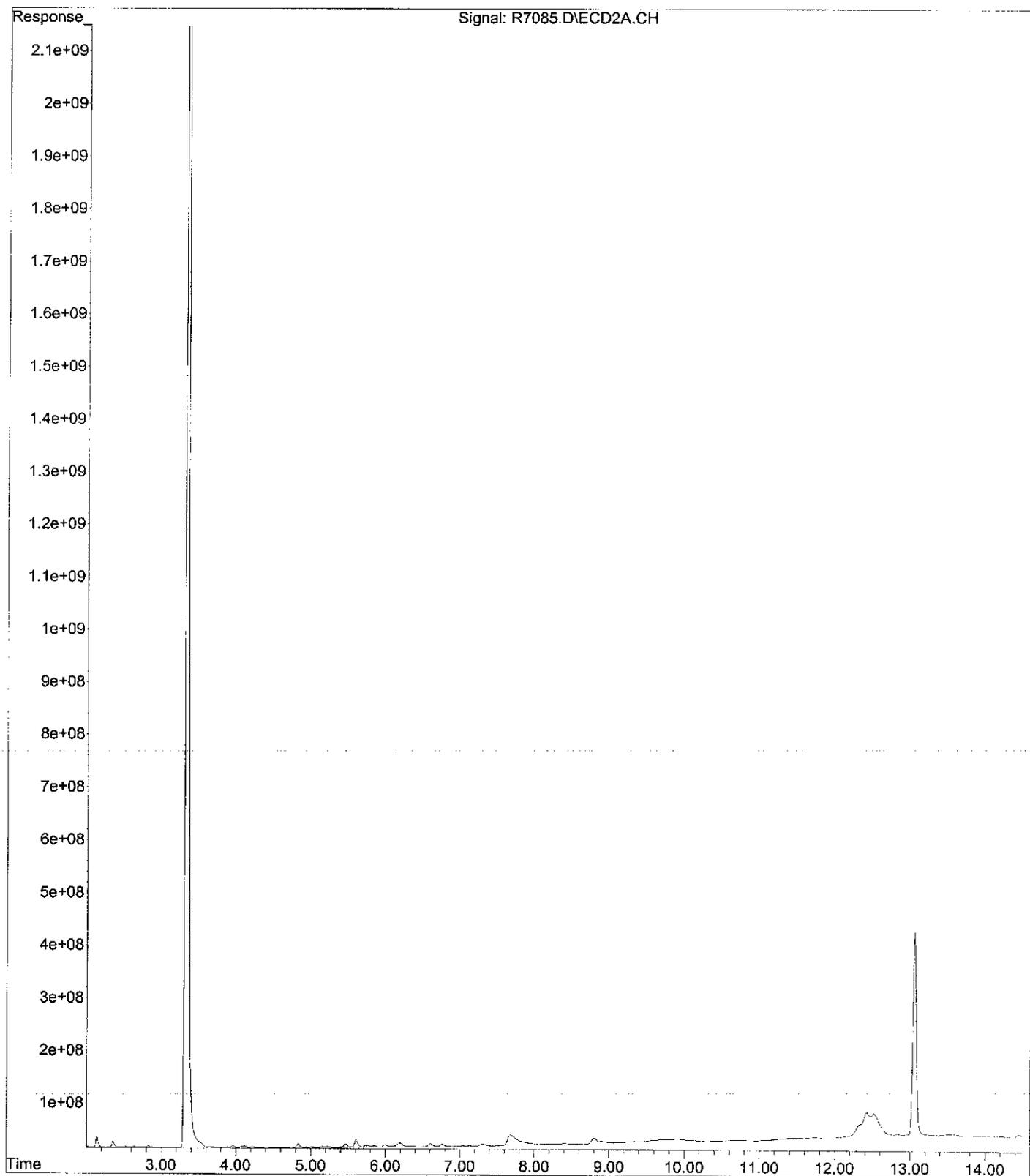
Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



File : C:\MSDCHEM\1\DATA\01-29-13\R7085.D
Operator : JS
Acquired : 29 Jan 2013 20:09 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: CC-41(R) (3,00646-024,S,5.24g,23.2,01/29/13,4
Misc Info : 130129-05,01/22/13,01/22/13,1
Vial Number: 16



File : C:\MSDCHEM\1\DATA\01-29-13\R7085.D
Operator : JS
Acquired : 29 Jan 2013 20:09 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: CC-41 (R) (3,00646-024,S,5.24g,23.2,01/29/13,4
Misc Info : 130129-05,01/22/13,01/22/13,1
Vial Number: 16



Data Path : C:\MSDCHEM\1\DATA\01-25-13\
 Data File : Y5437.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 26 Jan 2013 19:36
 Operator : JS
 Sample : FB-59,00646-025,A,1000ml,100,01/24/13,1
 Misc : 130124-06,01/21/13,01/22/13,1
 ALS Vial : 91 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 28 16:15:23 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M
 Quant Title :
 QLast Update : Fri Jan 25 13:54:29 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

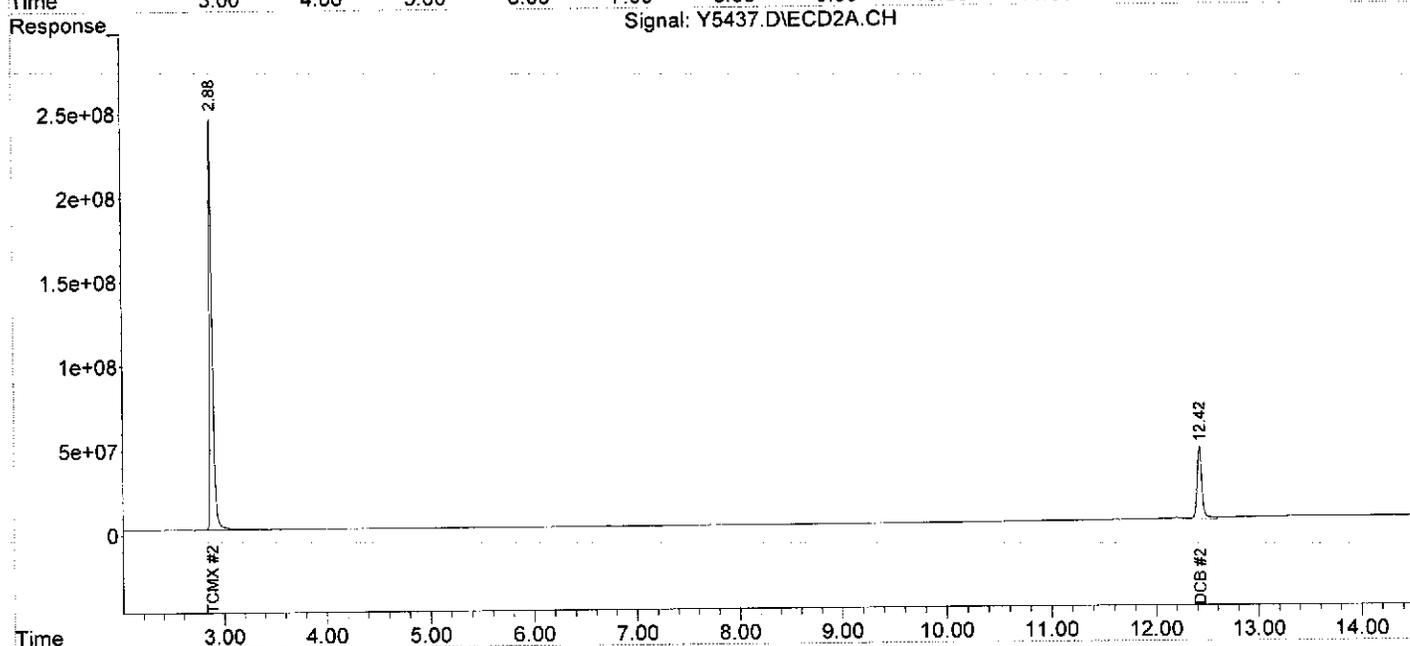
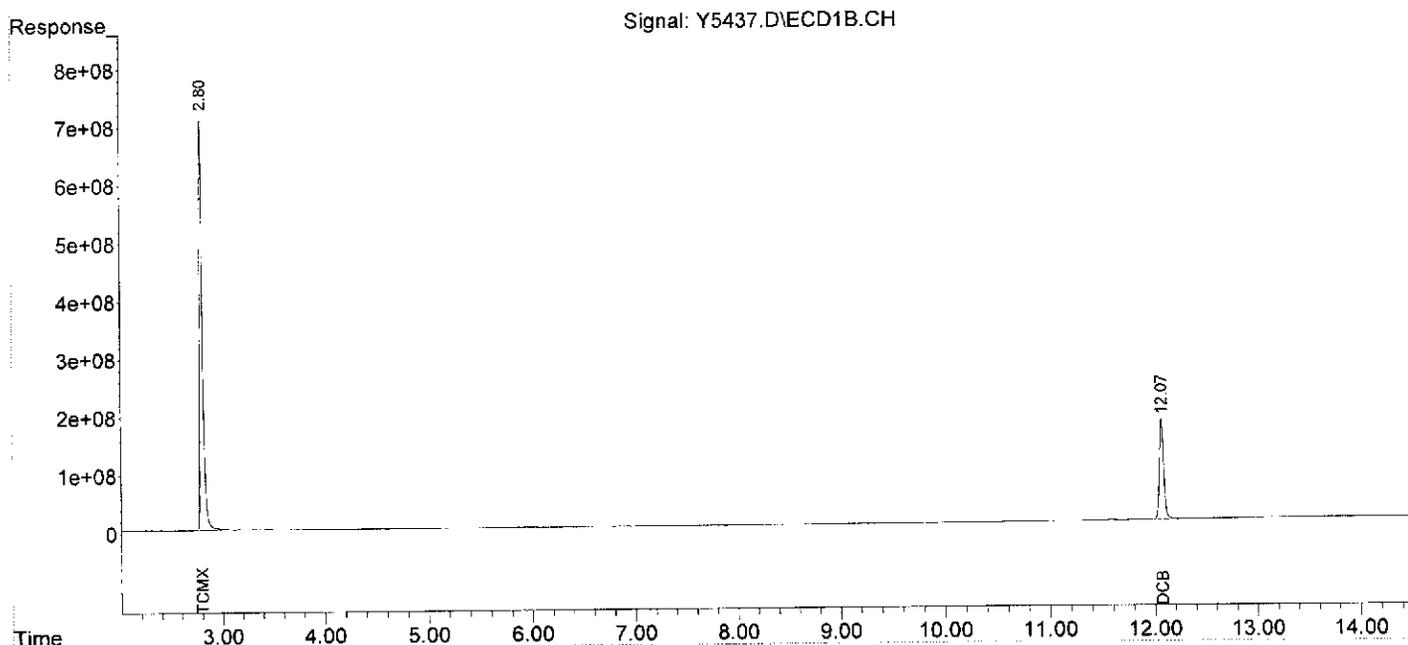
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.80	2.88	14663.4E6	4938.8E6	147.709	150.954
Spiked Amount	200.000			Recovery =	73.85%	75.48%
2) S DCB	12.07	12.42	5101.3E6	1492.2E6	169.814	198.188
Spiked Amount	200.000			Recovery =	84.91%	99.09%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\01-25-13\
Data File : Y5437.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Jan 2013 19:36
Operator : JS
Sample : FB-59,00646-025,A,1000ml,100,01/24/13,1
Misc : 130124-06,01/21/13,01/22/13,1
ALS Vial : 91 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 28 16:15:23 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M
Quant Title :
QLast Update : Fri Jan 25 13:54:29 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: BLKA130116-05
 Client ID: PCB
 Date Received: NA
 Date Extracted: 01/16/2013
 Date Analyzed: 01/16/2013
 Data file: R6883.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 1000ml
 Matrix-Units: Aqueous-µg/L (ppb)
 Dilution Factor: 1
 % Moisture: 100

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.050	0.020
Aroclor-1221	ND		0.050	0.020
Aroclor-1232	ND		0.050	0.020
Aroclor-1242	ND		0.050	0.020
Aroclor-1248	ND		0.050	0.020
Aroclor-1254	ND		0.050	0.020
Aroclor-1260	ND		0.050	0.020
Aroclor-1262	ND		0.050	0.020
Aroclor-1268	ND		0.050	0.020
PCBs	ND		0.050	0.020

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: BLKA130124-06
Client ID: PCB
Date Received: NA
Date Extracted: 01/24/2013
Date Analyzed: 01/26/2013
Data file: Y5430.D

GC Column: DB-5/DB1701P
Sample wt/vol: 1000ml
Matrix-Units: Aqueous- $\mu\text{g/L}$ (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.050	0.020
Aroclor-1221	ND		0.050	0.020
Aroclor-1232	ND		0.050	0.020
Aroclor-1242	ND		0.050	0.020
Aroclor-1248	ND		0.050	0.020
Aroclor-1254	ND		0.050	0.020
Aroclor-1260	ND		0.050	0.020
Aroclor-1262	ND		0.050	0.020
Aroclor-1268	ND		0.050	0.020
PCBs	ND		0.050	0.020

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-25-13\
 Data File : Y5430.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 26 Jan 2013 17:36
 Operator : JS
 Sample : PCB,BLKA130124-06,A,1000ml,100,01/24/13,1
 Misc : NA,NA,NA,1
 ALS Vial : 84 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 28 16:12:09 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M
 Quant Title :
 QLast Update : Fri Jan 25 13:54:29 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

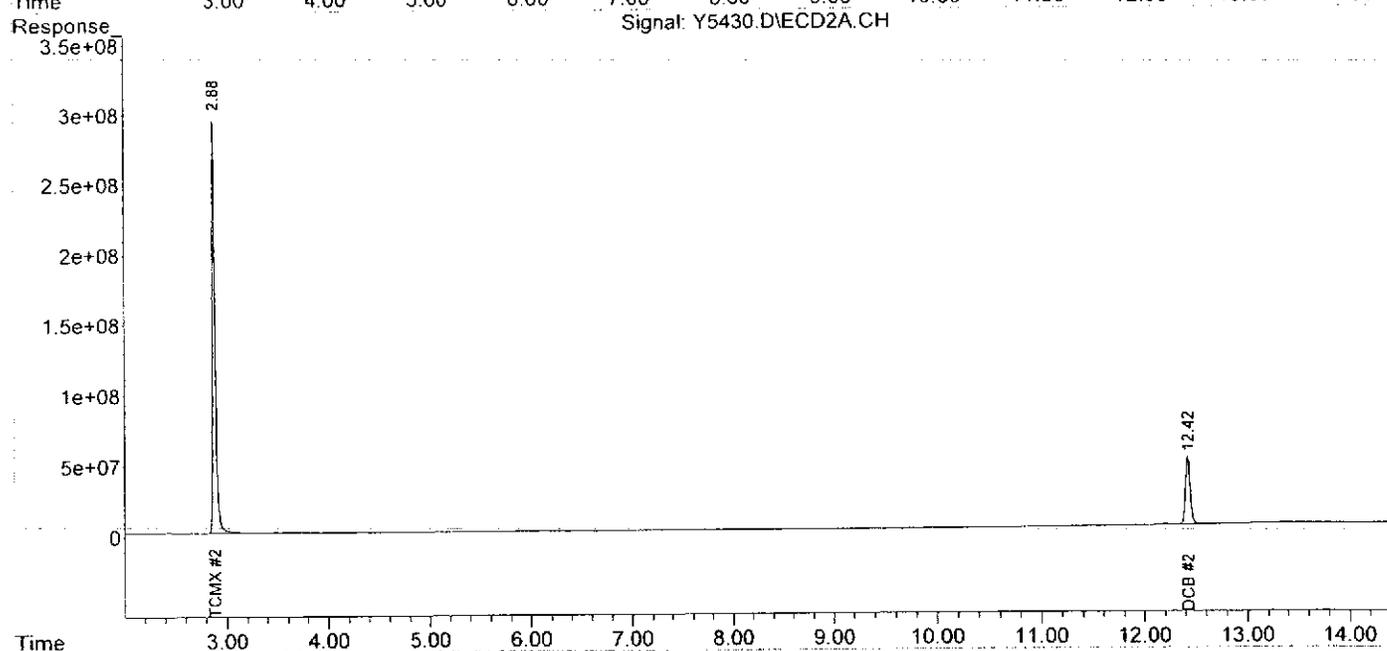
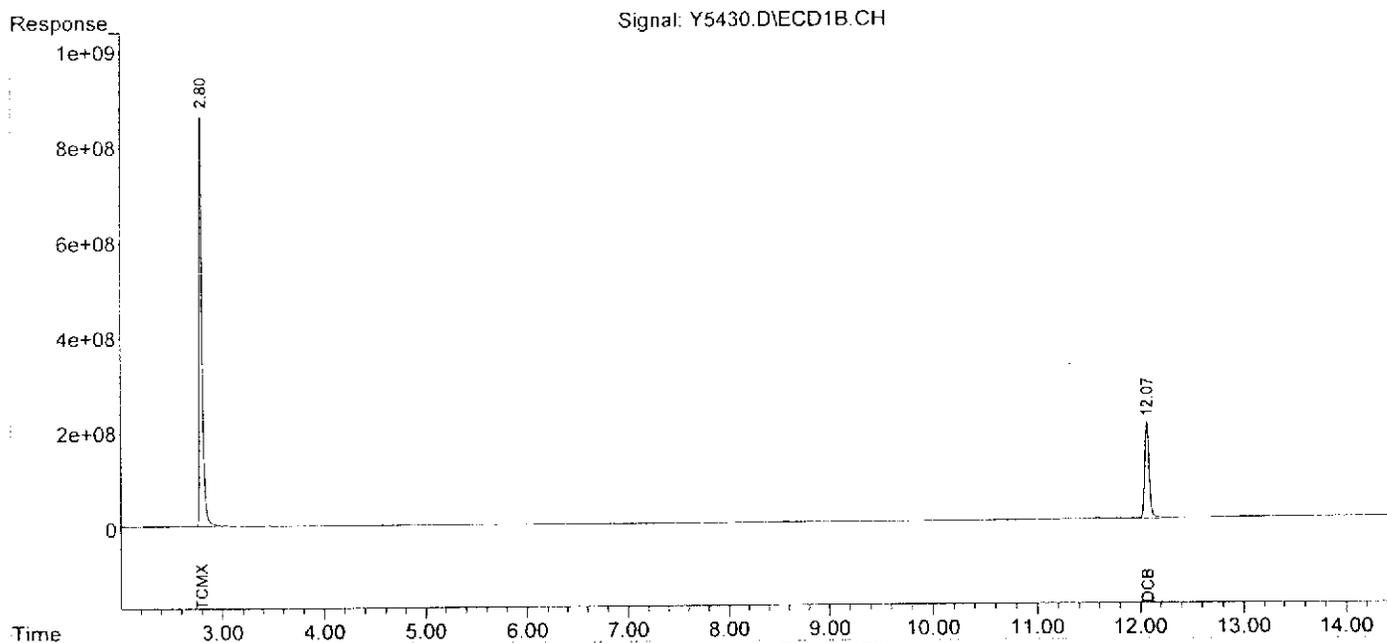
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.80	2.88	17129.5E6	5694.5E6	172.552	174.054
Spiked Amount	200.000			Recovery =	86.28%	87.03%
2) S DCB	12.07	12.42	6115.8E6	1547.3E6	203.586	205.501
Spiked Amount	200.000			Recovery =	101.79%	102.75%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\01-25-13\
Data File : Y5430.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Jan 2013 17:36
Operator : JS
Sample : PCB,BLKA130124-06,A,1000ml,100,01/24/13,1
Misc : NA,NA,NA,1
ALS Vial : 84 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 28 16:12:09 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0125.M
Quant Title :
QLast Update : Fri Jan 25 13:54:29 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: BLKS130128-03
Client ID: PCB
Date Received: NA
Date Extracted: 01/28/2013
Date Analyzed: 01/29/2013
Data file: R7092.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: NA

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.040	0.016
Aroclor-1221	ND		0.040	0.016
Aroclor-1232	ND		0.040	0.016
Aroclor-1242	ND		0.040	0.016
Aroclor-1248	ND		0.040	0.016
Aroclor-1254	ND		0.040	0.016
Aroclor-1260	ND		0.040	0.016
Aroclor-1262	ND		0.040	0.016
Aroclor-1268	ND		0.040	0.016
PCBs	ND		0.040	0.016

Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7092.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Jan 2013 22:45
 Operator : JS
 Sample : PCB,BLKS130128-03,S,5.00g,0,01/28/13,4
 Misc : NA,NA,NA,1
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 30 14:22:21 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

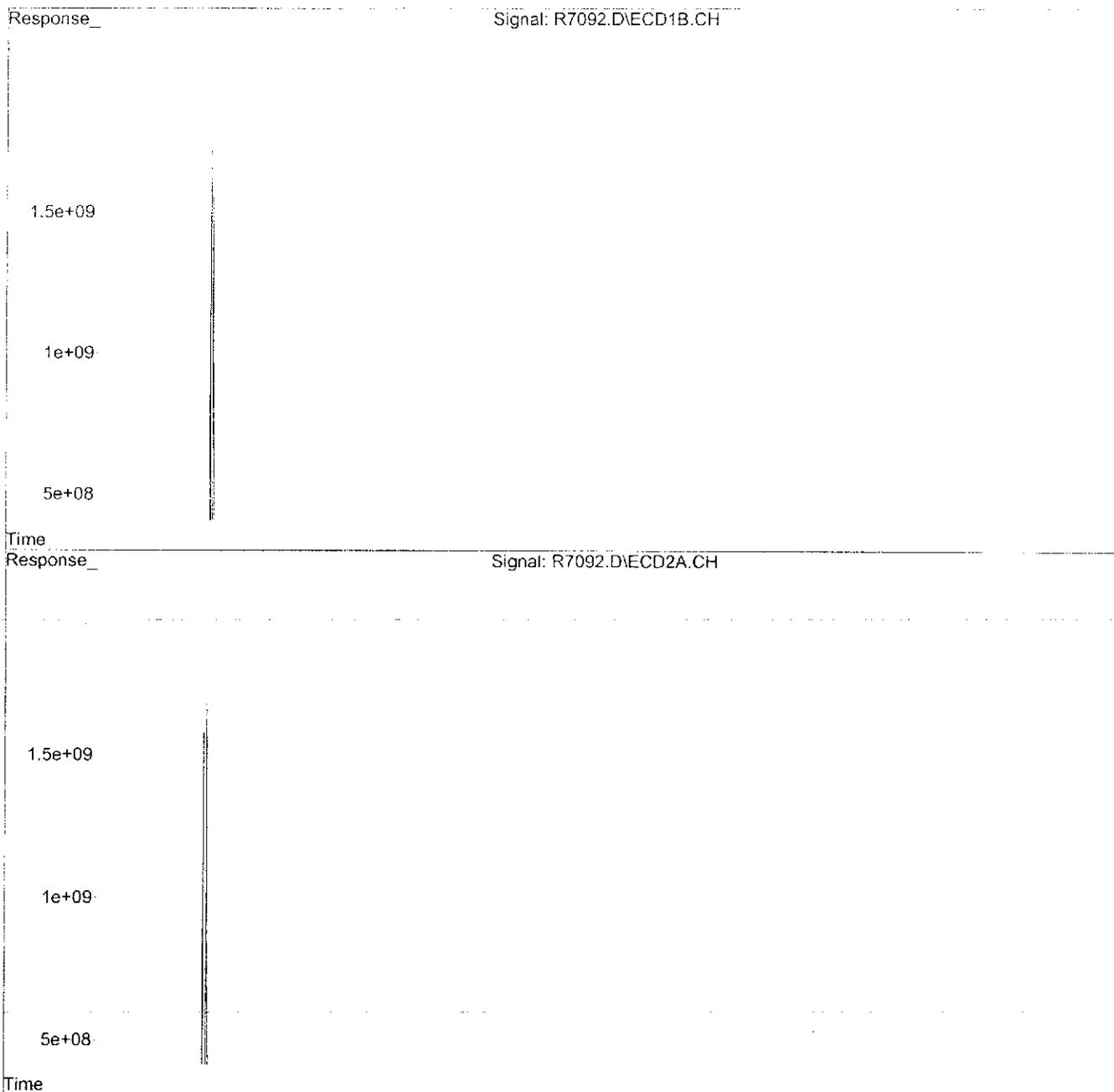
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.39	3.33	53505.8E6	70999.0E6	210.656	213.682
Spiked Amount	200.000					
			Recovery	=	105.33%	106.84%
2) S DCB	12.99	13.06	8740.4E6	13967.7E6	202.900	266.640 #
Spiked Amount	200.000					
			Recovery	=	101.45%	133.32%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

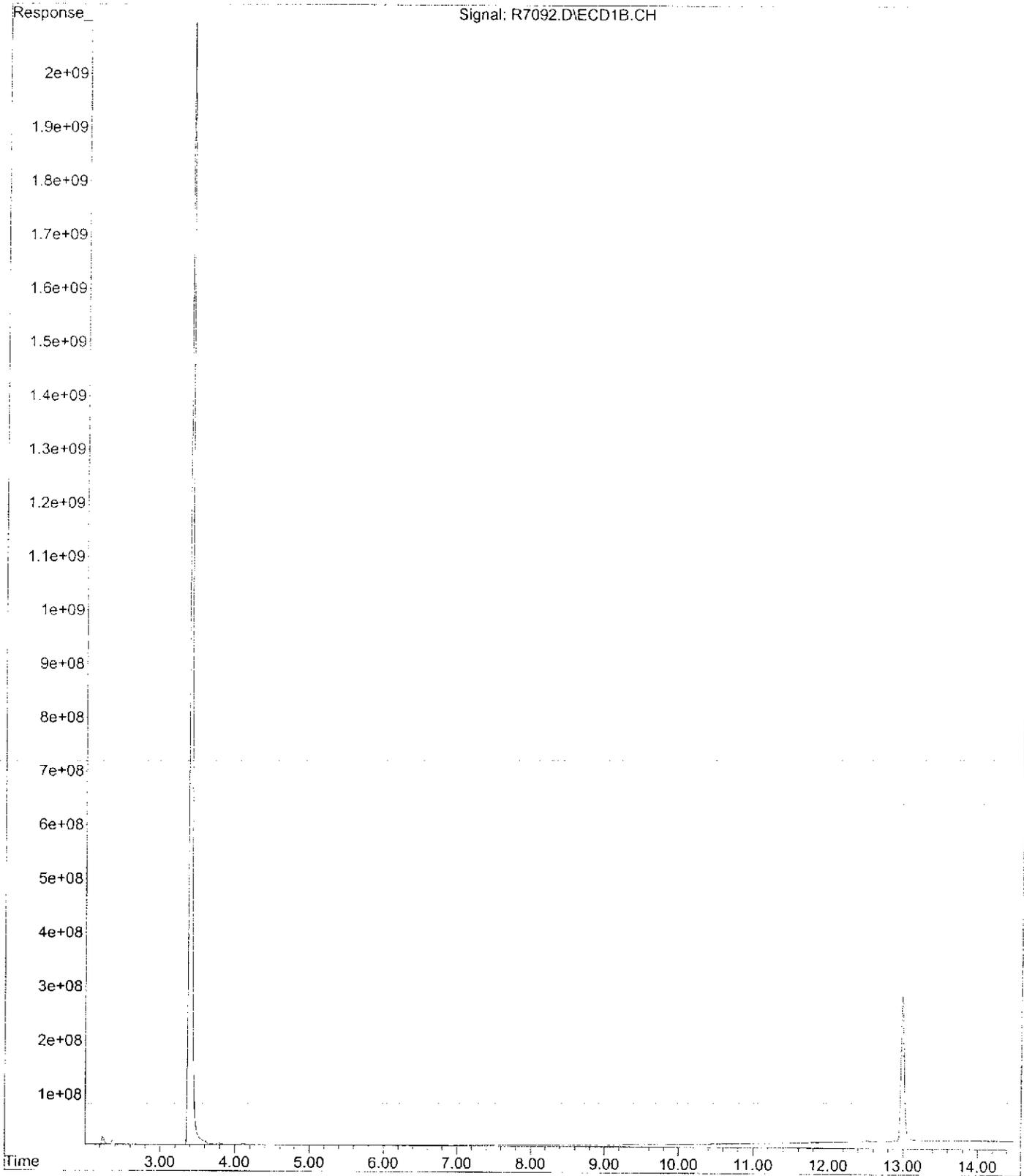
Data Path : C:\MSDCHEM\1\DATA\01-29-13\
Data File : R7092.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 29 Jan 2013 22:45
Operator : JS
Sample : PCB,BLKS130128-03,S,5.00g,0,01/28/13,4
Misc : NA,NA,NA,1
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 30 14:22:21 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
Quant Title :
QLast Update : Tue Jan 29 15:58:03 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

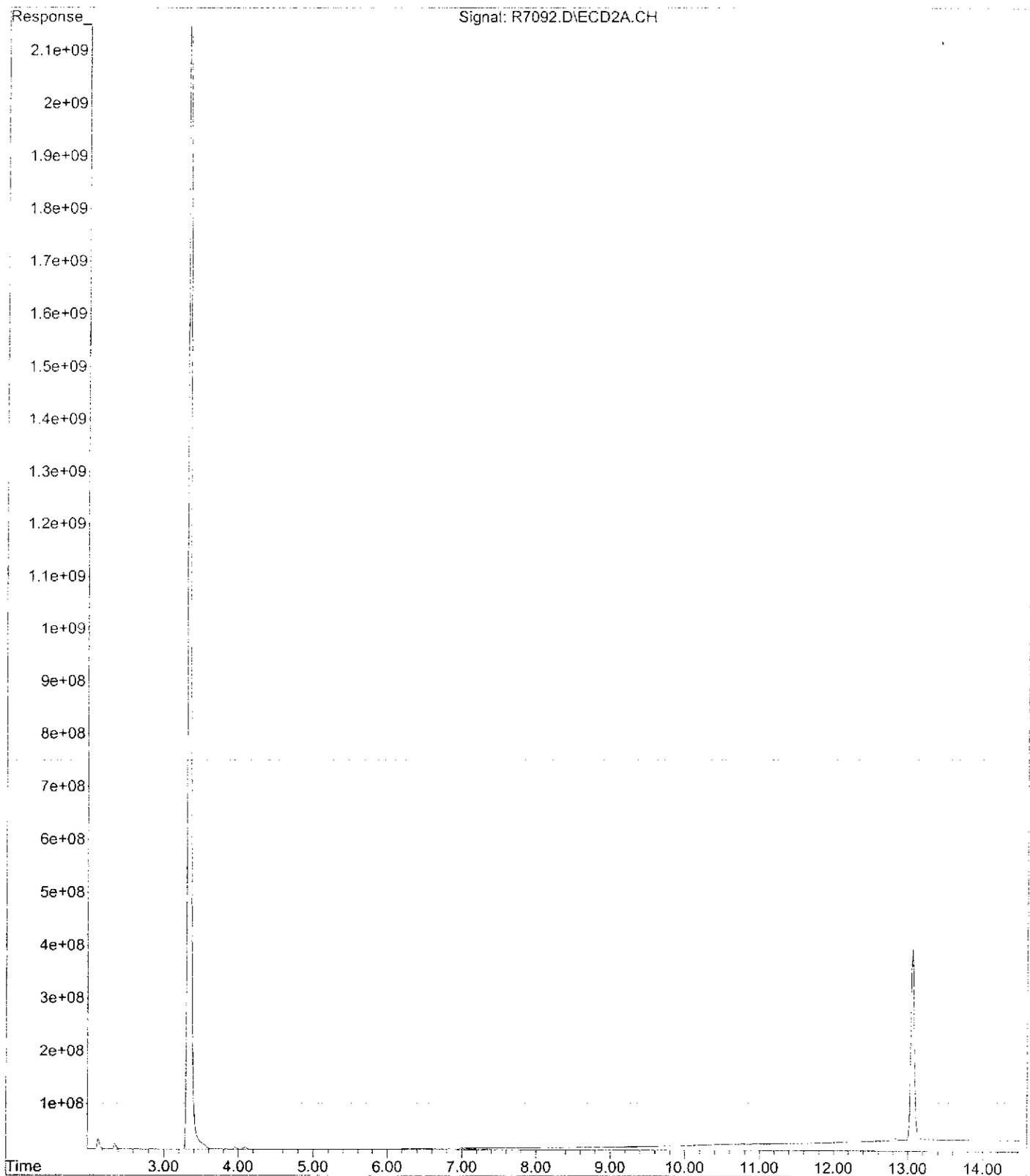
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



File : C:\MSDCHEM\1\DATA\01-29-13\R7092.D
Operator : JS
Acquired : 29 Jan 2013 22:45 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: PCB, BLKS130128-03, S, 5.00g, 0, 01/28/13, 4
Misc Info : NA, NA, NA, 1
Vial Number: 21



File :C:\MSDCHEM\1\DATA\01-29-13\R7092.D
Operator : JS
Acquired : 29 Jan 2013 22:45 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: PCB, BLKS130128-03, S, 5.00g, 0, 01/28/13, 4
Misc Info : NA, NA, NA, 1
Vial Number: 21



INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: BLKS130129-05
Client ID: PCB
Date Received: NA
Date Extracted: 01/29/2013
Date Analyzed: 01/29/2013
Data file: R7070.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: NA

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.040	0.016
Aroclor-1221	ND		0.040	0.016
Aroclor-1232	ND		0.040	0.016
Aroclor-1242	ND		0.040	0.016
Aroclor-1248	ND		0.040	0.016
Aroclor-1254	ND		0.040	0.016
Aroclor-1260	ND		0.040	0.016
Aroclor-1262	ND		0.040	0.016
Aroclor-1268	ND		0.040	0.016
PCBs	ND		0.040	0.016

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7070.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Jan 2013 15:46
 Operator : JS
 Sample : PCB,BLKS130129-05,S,5.00g,0,01/29/13,4
 Misc : NA,NA,NA,1
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 30 12:17:56 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.39	3.33	55838.7E6	70683.0E6	219.840	212.731
Spiked Amount	200.000		Recovery	=	109.92%	106.37%
2) S DCB	12.99	13.06	9891.5E6	14208.3E6	229.622	271.233
Spiked Amount	200.000		Recovery	-	114.81%	135.62%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

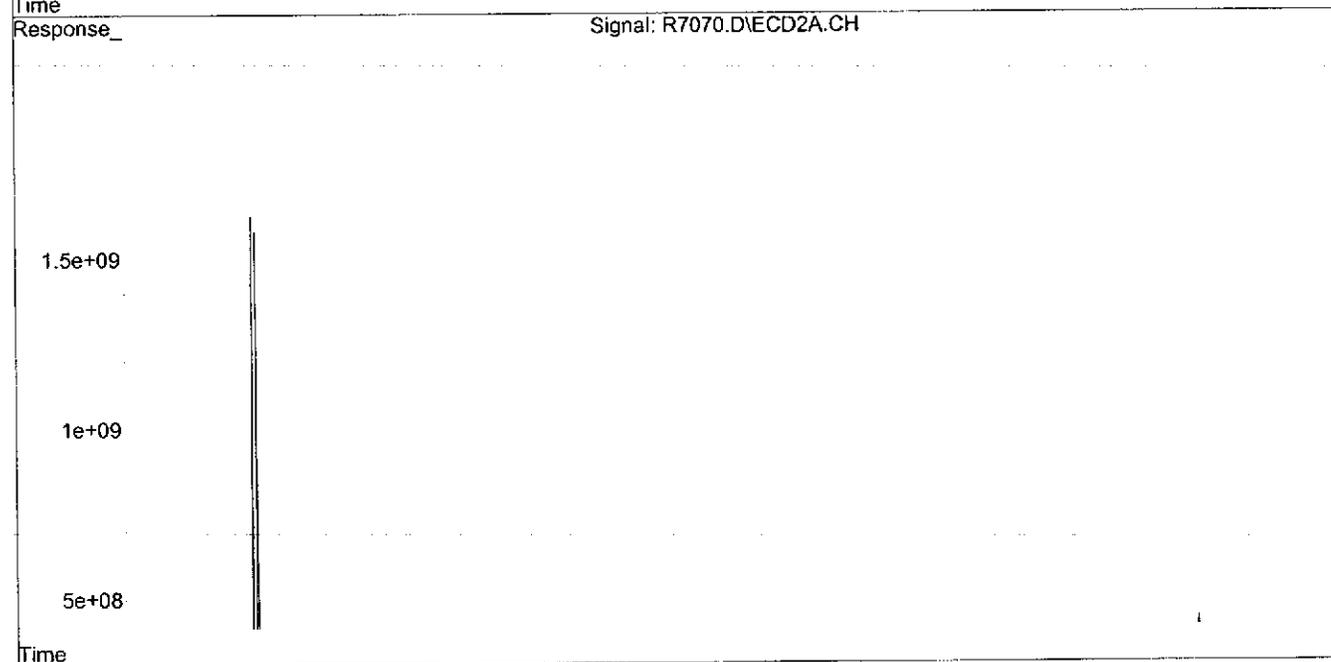
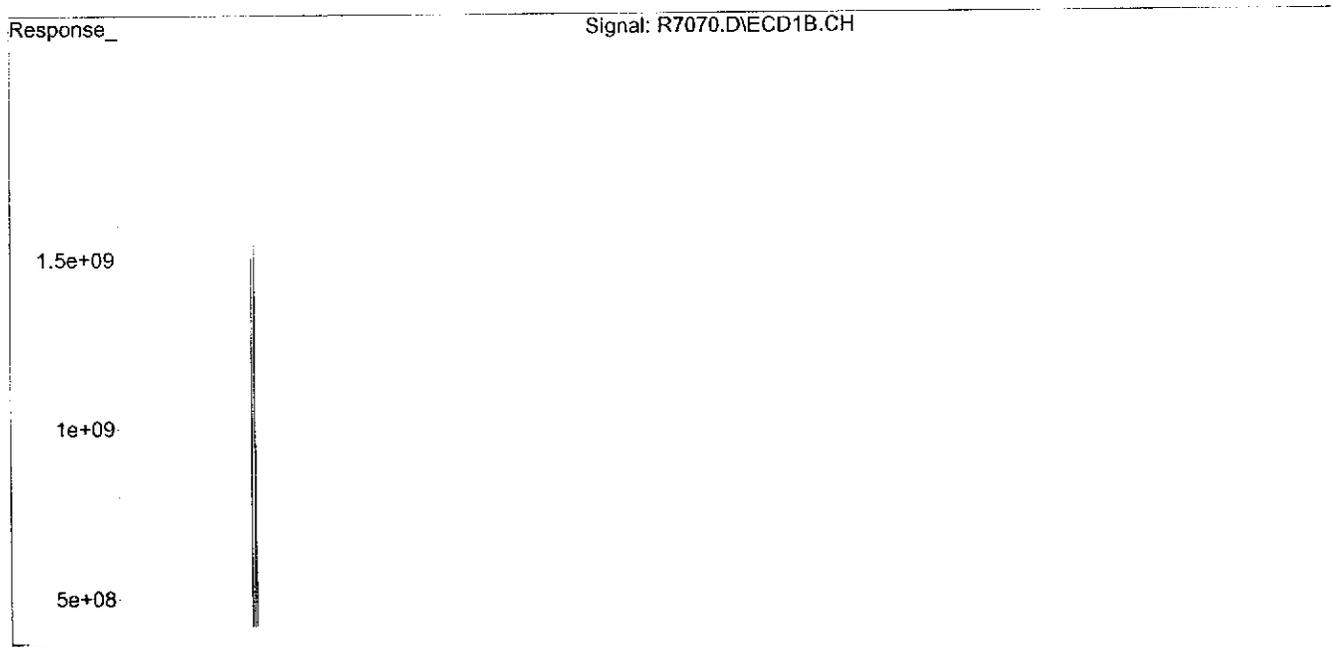
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

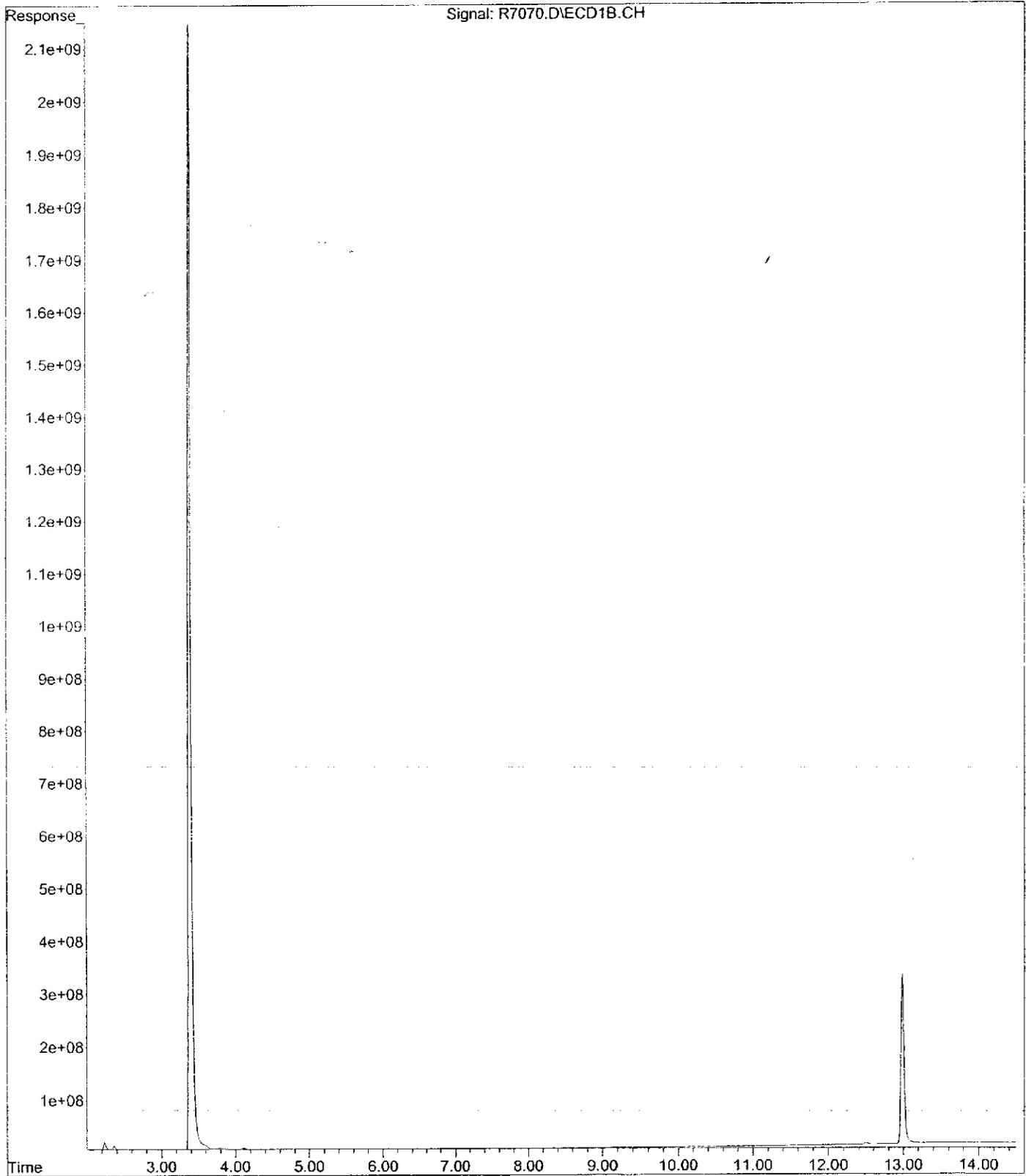
Data Path : C:\MSDCHEM\1\DATA\01-29-13\
 Data File : R7070.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 29 Jan 2013 15:46
 Operator : JS
 Sample : PCB,BLKS130129-05,S,5.00g,0,01/29/13,4
 Misc : NA,NA,NA,1
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 30 12:17:56 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0129.M
 Quant Title :
 QLast Update : Tue Jan 29 15:58:03 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

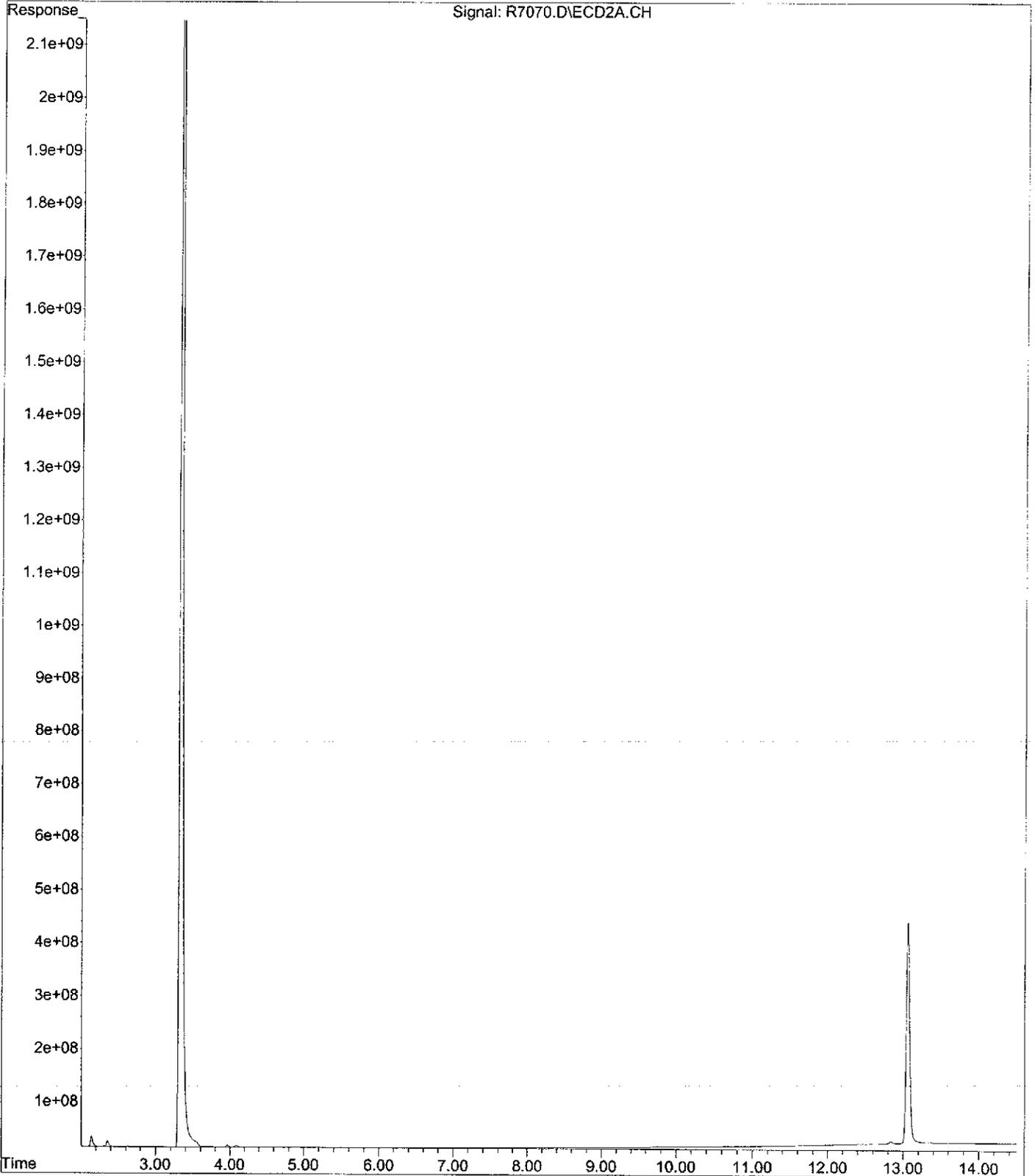
Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



File : C:\MSDCHEM\1\DATA\01-29-13\R7070.D
Operator : JS
Acquired : 29 Jan 2013 15:46 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: PCB, BLKS130129-05, S, 5.00g, 0, 01/29/13, 4
Misc Info : NA, NA, NA, 1
Vial Number: 2



File : C:\MSDCHEM\1\DATA\01-29-13\R7070.D
Operator : JS
Acquired : 29 Jan 2013 15:46 using AcqMethod RPCB0129.M
Instrument : GC_R
Sample Name: PCB, BLKS130129-05, S, 5.00g, 0, 01/29/13, 4
Misc Info : NA, NA, NA, 1
Vial Number: 2



SAMPLE TRACKING

Company: JMC Environmental Consultants, Inc.
Address: 2109 Bridge Ave., Bldg. B
 Plainfield, NJ 08742
Telephone #: (732) 295-2144
Fax #: (732) 295-2150
Project Manager: James Clabby
EMAIL Address: jclabby@jmcenvironmental.com
Sampler: Alex Ballgroom, Steve Kowch, **CHOS CHO**
Project Name: Anypro
Project Location (State): NJ
Bottle Order #:
Quote #: SR041295

REPORT TO: James Clabby
Address: same
Alt:
FAX # (732) 295-2150
INVOICE TO: Aceto Corp.
Address: 4 Td Harbor Court
 Port Washington, NY 11050
 (with copy to: JMC Environmental (attn.: J. Clabby))
Alt: Ed Kelly
PO #: 22126

Turnaround Time: Starts the following day if samples rec'd at lab > 5PM
 * Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. **RUSH SUBSOURCES WILL APPLY IF ABLE TO ACCOMMODATE.

PHK - MUST CHOOSE
 NJ EPH BRO (5 day TAT) N/EPH Functioned (10 day TAT)
 NJ EPH - COB (5 day TAT) QAMR25 (5 day TAT)
 BRO-4815 (3-5 day TAT)

Back FAT Change:
 24 hr - 100%
 48 hr - 75%
 72 hr - 50%
 96 hr - 25%
 5 day - 25%
 6-9 day 10%

Support Format:
 Results Only
 Reduced
 Regulatory - 15% Surcharge applies
 Other (describe)

EDDs:
 SRF Approved
 Lab approved container EMD
 NO EMD/CD
 RESQD

Coiler Temp: 4°C

ANALYTICAL PARAMETERS

4 BOTTLES & PRESERVATIVES

NAME	INCL	YOUNG	MOUSE	ROSEN	ROSEN	ROSEN	ROSEN
TR PCB (002)	X						
	X						
	X						
	X						
	X						
	X						
	X						
	X						
	X						
	X						

SAMPLE INFORMATION

Client ID: FB-59
Depth (ft only):
Date: 1/21/13 3:05 aq
Matrix: aq
Container #: 2 25
LAB #:

Sample Matrix: Sewage Sludge
 DW - Drinking Water AQ - Aqueous WW - Waste Water
 CR - CR L&Q - Liquid (Specify) OT - Other (Specify)
 S - Soil SL - Sludge SOL - Solid W - Wipe

Quantity: 2
Conc. Expected: Low Med High

Carrier (check one): V. Courier _____ Case Courier _____ FedEx/UPS _____

Signature/Company: [Signature] [Signature]
Date: 1/21/13 15:30
Time: 15:30
Received by: [Signature]
Date: 1/22/13 16:22
Time: 16:22
Received by: [Signature]

Comments:

Lab Case #: 00646
PAGE: 4 of 4

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	X						
	X						
	X						
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TR PCB (002)	X						
	X						
	X						
	X						
	X						
	X						
	X						
	X						
	X						
	X						

PROJECT INFORMATION



Case No. **E13-00646**

Project **ARSYNCO**

Customer JMC Environmental Consultants	P.O. # 22126
Contact Jim Clabby	Received 1/22/2013 16:22
Email jclabby@jmcenvironmental.com; <input checked="" type="checkbox"/> EMail EDDs	Verbal Due 2/5/2013
Phone ahallgreen@jmcenvironmental.com; (732) 295-2144; Fax: (732) 295-2150	Report Due 2/12/2013
Report To adam@jmcenvironmental.com; schosch@jmcenvironmental.com	Bill To
2109 Bridge Avenue	Aceto Corp.
Building B	4 Tri Harbor Court
Point Pleasant, NJ 08742	Port Washington, NY 11050
Attn: Jim Clabby	Attn: Mr. Ed Kelly
Report Format Reduced	
Additional Info <input type="checkbox"/> State Form <input type="checkbox"/> Field Sampling <input type="checkbox"/> Conditional	

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
00646-001	EE-42(0-1.0)	0 / 1.0	1/22/2013@09:55	Soil	mg/Kg	1
00646-002	EE-42(1.0-2.0)	1.0 / 2.0	1/22/2013@09:56	Soil	mg/Kg	1
00646-003	EE-42(2.0-3.0)	2.0 / 3.0	1/22/2013@09:57	Soil	mg/Kg	1
00646-004	EE-42(3.0-4.0)	3.0 / 4.0	1/22/2013@09:58	Soil	mg/Kg	1
00646-005	DD-41(R)(0-1.0)	0 / 1.0	1/22/2013@10:40	Soil	mg/Kg	1
00646-006	DD-41(R)(1.0-2.0)	1.0 / 2.0	1/22/2013@10:41	Soil	mg/Kg	1
00646-007	DD-41(R)(2.0-3.0)	2.0 / 3.0	1/22/2013@10:42	Soil	mg/Kg	1
00646-008	DD-41(R)(3.0-4.0)	3.0 / 4.0	1/22/2013@10:43	Soil	mg/Kg	1
00646-009	FF-39(0-1.0)	0 / 1.0	1/22/2013@11:30	Soil	mg/Kg	1
00646-010	FF-39(1.0-2.0)	1.0 / 2.0	1/22/2013@11:31	Soil	mg/Kg	1
00646-011	FF-39(2.0-3.0)	2.0 / 3.0	1/22/2013@11:32	Soil	mg/Kg	1
00646-012	FF-39(3.0-4.0)	3.0 / 4.0	1/22/2013@11:33	Soil	mg/Kg	1
00646-013	FF-38(0-1.0)	0 / 1.0	1/22/2013@12:15	Soil	mg/Kg	1
00646-014	FF-38(1.0-2.0)	1.0 / 2.0	1/22/2013@12:16	Soil	mg/Kg	1
00646-015	FF-38(2.0-3.0)	2.0 / 3.0	1/22/2013@12:17	Soil	mg/Kg	1
00646-016	FF-38(3.0-4.0)	3.0 / 4.0	1/22/2013@12:18	Soil	mg/Kg	1
00646-017	CC-42(R)(0-1.0)	0 / 1.0	1/22/2013@13:35	Soil	mg/Kg	1
00646-018	CC-42(R)(1.0-2.0)	1.0 / 2.0	1/22/2013@13:36	Soil	mg/Kg	1
00646-019	CC-42(R)(2.0-3.0)	2.0 / 3.0	1/22/2013@13:37	Soil	mg/Kg	1
00646-020	CC-42(R)(3.0-4.0)	3.0 / 4.0	1/22/2013@13:38	Soil	mg/Kg	1
00646-021	CC-41(R)(0-1.0)	0 / 1.0	1/22/2013@14:17	Soil	mg/Kg	1
00646-022	CC-41(R)(1.0-2.0)	1.0 / 2.0	1/22/2013@14:18	Soil	mg/Kg	1
00646-023	CC-41(R)(2.0-3.0)	2.0 / 3.0	1/22/2013@14:19	Soil	mg/Kg	1
00646-024	CC-41(R)(3.0-4.0)	3.0 / 4.0	1/22/2013@14:20	Soil	mg/Kg	1
00646-025	FB-59	n/a	1/21/2013@15:05	Aqueous	mg/L	2

Sample #	Tests	Status	QA Method
001	TCL PCB	Run	8082
002	TCL PCB	Run	8082
003	TCL PCB	Run	8082

PROJECT INFORMATION



Case No. **E13-00646**

Project **ARSYNCO**

<u>Sample #</u>	<u>Tests</u>	<u>Status</u>	<u>QA Method</u>
004	TCL PCB	Run	8082
005	TCL PCB	Run	8082
006	TCL PCB	Run	8082
007	TCL PCB	Run	8082
008	TCL PCB	Run	8082
009	TCL PCB	Run	8082
010	TCL PCB	Run	8082
011	TCL PCB	Run	8082
012	TCL PCB	Run	8082
013	TCL PCB	Run	8082
014	TCL PCB	Run	8082
015	TCL PCB	Run	8082
016	TCL PCB	Run	8082
017	TCL PCB	Run	8082
018	TCL PCB	Run	8082
019	TCL PCB	Run	8082
020	TCL PCB	Run	8082
021	TCL PCB	Run	8082
022	TCL PCB	Run	8082
023	TCL PCB	Run	8082
024	TCL PCB	Run	8082
025	TCL PCB	Run	8082

01/22/2013 17:49 by Frank - NOTE 2

ALSO EMAIL CONFIRMATIONS AND RESULTS TO STEVE KOSCH AT skosch@jmcenvironmental.com.

INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: E 13

00646

CLIENT:

JMC

COOLER TEMPERATURE: 2° - 6°C:

(See Chain of Custody)

Comments

COC: COMPLETE / INCOMPLETE

KEY

= YES/NA
 = NO

Bottles Intact
 no-Missing Bottles
 no-Extra Bottles

Sufficient Sample Volume
 no-headspace/bubbles in VOs
 Labels intact/correct
 pH Check (exclude VOs)¹
 Correct bottles/preservative
 Sufficient Holding/Prep Time¹

Sample to be Subcontracted
 Chain of Custody is Clear

¹ All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY:

INITIAL

DATE 1/22/13

CORRECTIVE ACTION REQUIRED:

YES (SEE BELOW)

NO

If COC is NOT clear, **STOP** until you get client to authorize/clarify work.

CLIENT NOTIFIED:

YES

Date/ Time: _____

NO

PROJECT CONTACT:

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY:

INITIAL

DATE 1/23

E13-00646 0208

Laboratory Custody Chronicle

IAL Case No.

E13-00646

Client JMC Environmental Consultants

Project ARSYNCO

Received On 1/22/2013@16:22

Department: GC

TCL PCB

			<u>Prep. Date</u>	<u>Analyst</u>	<u>Analysis Date</u>	<u>Analyst</u>
"	00646-001	Soil	1/28/13	Archimede	1/30/13	Julia
"	-002	"	1/28/13	Archimede	1/30/13	Julia
"	-003	"	1/28/13	Archimede	1/30/13	Julia
"	-004	"	1/28/13	Archimede	1/30/13	Julia
"	-005	"	1/28/13	Archimede	1/30/13	Julia
"	-006	"	1/28/13	Archimede	1/30/13	Julia
"	-007	"	1/28/13	Archimede	1/30/13	Julia
"	-008	"	1/28/13	Archimede	1/30/13	Julia
"	-009	"	1/28/13	Archimede	1/30/13	Julia
"	-010	"	1/28/13	Archimede	1/30/13	Julia
"	-011	"	1/28/13	Archimede	1/30/13	Julia
"	-012	"	1/28/13	Archimede	1/30/13	Julia
"	-013	"	1/28/13	Archimede	1/30/13	Julia
"	-014	"	1/28/13	Archimede	1/30/13	Julia
"	-015	"	1/28/13	Archimede	1/30/13	Julia
"	-016	"	1/28/13	Archimede	1/30/13	Julia
"	-017	"	1/29/13	Archimede	1/30/13	Julia
"	-018	"	1/29/13	Archimede	1/29/13	Julia
"	-019	"	1/29/13	Archimede	1/29/13	Julia
"	-020	"	1/29/13	Archimede	1/29/13	Julia
"	-021	"	1/29/13	Archimede	1/30/13	Julia
"	-022	"	1/29/13	Archimede	1/29/13	Julia
"	-023	"	1/29/13	Archimede	1/29/13	Julia
"	-024	"	1/29/13	Archimede	1/29/13	Julia
"	-025	Aqueous	1/24/13	Archimede	1/26/13	Julia